

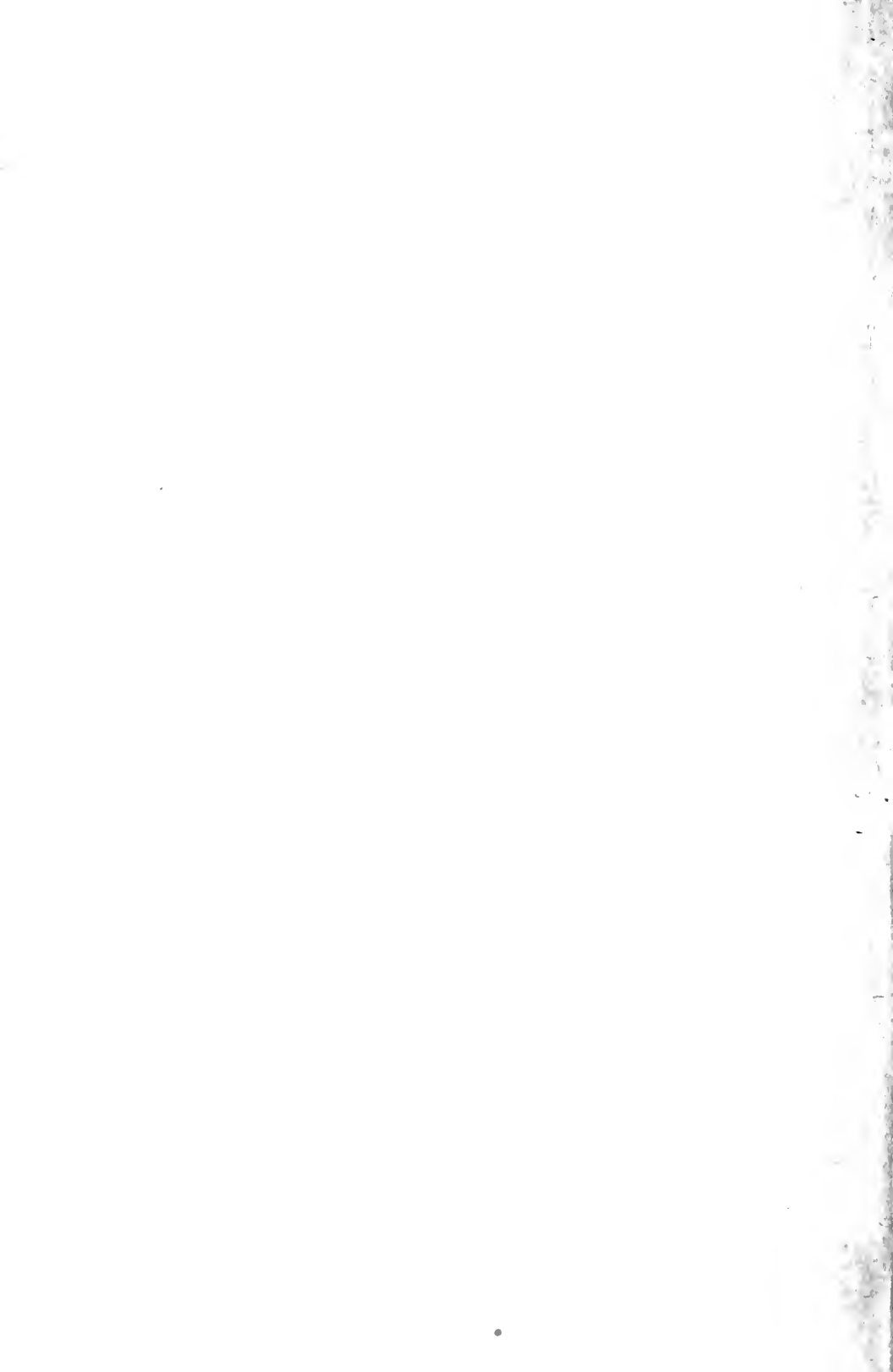


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BULLETIN
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Vol. 6

JANUARY, 1934

No. 1

THE SCHOOL OF MEDICINE



1934

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BULLETIN
OF
DUKE UNIVERSITY
THE SCHOOL OF MEDICINE



1934

DURHAM, NORTH CAROLINA

1934

FOREWORD

This bulletin is issued for prospective medical students. Admissions into any class are made only on the understanding that every decision of the executive committee shall apply to all students, even though subsequent to their enrollment in the school. At frequent intervals, the executive committee reviews the records of all students, and those whose progress has been unsatisfactory may be required to leave the school. Only those will be advanced who, in the opinion of the executive committee, give promise of being a credit to themselves and to the school. Students who wish to study at other medical schools during an elective quarter must have their programs approved, in advance, by the curriculum committee, and on their return, must present evidence that they have completed successfully work comparable to that of the curriculum during the quarters in which they were away.

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SCHOOL OF MEDICINE CALENDAR, 1934-1937

1934

- January 3 (Wednesday)—Registration of students, and winter quarter begins.
- February 22 (Thursday)—Washington's birthday (holiday).
- March 21 (Wednesday)—Winter quarter ends.
- March 26 (Monday)—Registration of students, and spring quarter begins.
- June 6 (Wednesday)—Commencement.
- June 9 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 16 (Saturday)—Spring quarter ends (1st year students).
- June 18 (Monday)—Registration of students, and summer quarter begins.
- July 4 (Wednesday)—Independence Day (holiday).
- September 1 (Saturday)—Summer quarter ends.
- October 1 (Monday)—Registration of students, and autumn quarter begins.
- November 29 (Thursday)—Thanksgiving Day (holiday).
- December 18 (Tuesday)—Autumn quarter ends.

1935

- January 3 (Thursday)—Registration of students, and winter quarter begins.
- February 22 (Friday)—Washington's birthday (holiday).
- March 21 (Thursday)—Winter quarter ends.
- March 25 (Monday)—Registration of students, and spring quarter begins.
- June 5 (Wednesday)—Commencement.
- June 8 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 15 (Saturday)—Spring quarter ends (1st year students).
- June 17 (Monday)—Registration of students, and summer quarter begins.
- July 4 (Thursday)—Independence Day (holiday).
- August 31 (Saturday)—Summer quarter ends.
- September 30 (Monday)—Registration of students, and autumn quarter begins.
- November 28 (Thursday)—Thanksgiving Day (holiday).
- December 20 (Friday)—Autumn quarter ends.

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1936

- January 6 (Monday)—Registration of students, and winter quarter begins.
- February 22 (Saturday)—Washington's birthday (holiday).
- March 21 (Saturday)—Winter quarter begins.
- March 30 (Monday)—Registration of students, and spring quarter begins.
- June 10 (Wednesday)—Commencement.
- June 13 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 20 (Saturday)—Spring quarter ends (1st year students).
- June 22 (Monday)—Registration of students, and summer quarter begins.
- July 4 (Saturday)—Independence Day (holiday).
- September 5 (Saturday)—Summer quarter ends.
- October 5 (Monday)—Registration of students, and autumn quarter begins.
- November 26 (Thursday)—Thanksgiving Day (holiday).
- December 22 (Tuesday)—Autumn quarter ends.

1937

- January 4 (Monday)—Registration of students, and winter quarter begins.
- February 22 (Monday)—Washington's birthday (holiday).
- March 20 (Saturday)—Winter quarter ends.
- March 29 (Monday)—Registration of students, and spring quarter begins.
- June 9 (Wednesday)—Commencement.
- June 12 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 19 (Saturday)—Spring quarter ends (1st year students).
- June 21 (Monday)—Registration of students, and summer quarter begins.
- July 5 (Monday)—Independence Day (holiday).
- September 4 (Saturday)—Summer quarter ends.
- October 4 (Monday)—Registration of students, and autumn quarter begins.
- November 25 (Thursday)—Thanksgiving Day (holiday).
- December 21 (Tuesday)—Autumn quarter ends.

The Treasurer's office is in room 301, Page Auditorium building, on the West Campus, and is open daily, except Sunday, from 9 a.m. to 4:30 p.m.

The officer of the Recorder and Dean of the School of Medicine is in room M 133 of the Medical School, and is open daily, except Sunday, from 8:30 a.m. to 5 p.m.

For any further information desired, address THE DEAN, DUKE UNIVERSITY SCHOOL OF MEDICINE, DURHAM, N. C.

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RAYMOND S. CRISPELL, A.B., M.D., *Associate Professor of Neuro-psychiatry.*

A.B., and M.D., Cornell, 1917, 1920; Staff, Bloomingdale Hospital and Instr. in Neuro-anatomy, Cornell, 1920-1923; House Physician and Resident Neurologist, Bellevue Hosp., N. Y., 1921-1923; Fellow in Neurology, Univ. of Utrecht, Holland, 1925; Medical Director, Sahler Sanitarium, 1926-1933; *Psychiatrist, Duke Hospital, 1933—*

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M.A., and M.B., Toronto, 1923 and 1921; Ph.D., Cambridge, 1927; Demonstrator in Biochem., Toronto, 1923-1925; Ass't. in Physiol., Dalhousie, 1927-1928; Assoc. in Physiol., Johns Hopkins Med. Sch., 1928-1930.

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A.B., Univ. of North Carolina, 1918; M.D., Johns Hopkins, 1925; Int., Church Home and Infirmary, Baltimore, 1925-1926; Int., Ass't. Res., and Res. in Laryngol., Johns Hopkins Hosp., 1926-1929; Ass't. Instr. in Laryngol., Johns Hopkins Med. Sch., 1927-1930; *Otolaryngologist, Duke Hospital, 1929—*

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A.B., Washington and Lee, 1916; M.D., Johns Hopkins, 1923; Ass't., Instr. and Assoc. in Path., Johns Hopkins Med. Sch., 1923-1930; Res. and Assoc. Pathologist, Johns Hopkins Hosp., 1926-1927 and 1929-1930; Guest Ass't., Pathol. Inst., Ludwig Maximilian's Univ., Munich, 1928; Pathol., Baltimore City Hospitals; Consulting Pathologist, Frederick City Hosp., 1925-1930; *Pathologist, Duke Hospital, 1929—*

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A.B., Wittenberg, 1924; M.D., Johns Hopkins, 1928; Int. and Ass't. Res., Johns Hopkins Hosp., 1928-1930; Ass't. in Surg., Johns Hopkins Med. Sch., 1929-1930; Instr., Duke Med. Sch., 1930-1932; Resident in Surgery and *Associate Surgeon, Duke Hospital, 1930—*

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B.S., and M.D., Virginia, 1921, and 1928; Ass't. and Instr. in Pharmacol. and Materia Medica, Baylor Med. Coll., 1922-1926; Int. and Res., Obs. and Gyn., Univ. Va. Hosp., 1928-1930; Clinical Instr. in Obs. and Gyn., Univ. Va. Med. Dept., 1930-1931; *Associate Obstetrician and Gynecologist, Duke Hospital, 1931—*

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A.B., Univ. of North Carolina, 1903; A.M., Harvard, 1904; M.D., Johns Hopkins, 1908; Assoc. Prof. of Path., Columbia Univ., and Pathologist, Presbyterian Hospital, N. Y., 1909-1912; Assoc., Rockefeller Institute, 1912-1913; Assoc. Prof. of Medicine, Washington Univ. Med. Dept., 1913-1914; Ass't. in Neurology, Queen Square Hospital, London, 1914; Prof. of Therapeutics, Med. Coll. of Va., 1914-1916; *Physician, Duke Hospital, 1931—*

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A.B., Universidad Mayor de San Marcos, 1919; Voluntary Ass't. in Path., Friedrich Wilhelm Universität, Berlin, 1920-1921; M.D., Johns Hopkins, 1924; Int., Ass't. Res. in Med., and Ass't. Physician, Johns Hopkins Hosp., 1924-1930; Ass't., Instr. and Assoc. in Medicine, Johns Hopkins Med. Sch., 1925-1930; *Assistant Physician, Duke Hospital, 1930—*

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B.S., Purdue, 1918; M.S., Illinois, 1923; Ph.D., Wisconsin, 1927; Instr. in Physiol., Illinois Med. Sch., 1920-1923; Inst. in Physiol., Wisconsin Med. Sch., 1923-1927; Ass't. Prof. of Physiol. and Pharmacol., Georgia Med. Coll., 1927-1929; Sr. Instr. in Physiol., Western Reserve Med. Sch., 1929-1930.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D., *Professor of Zoölogy*

B.S., and A.M., Nebraska, 1900 and 1904; Ph.D., Harvard, 1908; Austin teaching Fellow, Harvard, 1907-1908; Instr. of Zoölogy, Michigan, 1908-1910; Ass't. Prof., 1910-1911; St. Louis, 1911; Wisconsin, 1911-1912; Assoc. Prof., 1912-1919; Prof., 1919-1927.

WILLIAM ALEXANDRE PERLZWEIG, B.S., A.M., Ph.D., *Professor of Biochemistry*

B.S., A.M., and Ph.D., Columbia University, 1913, 1914, and 1915; Ass't. in Physiol. Chem., Columbia Univ. Med. Sch., 1913-1916; Research Chemist, Rockefeller Institute, 1916-1917; Research Biochemist, Hygienic Laboratory, U. S. P. H. S., 1919-1921; Instr. and Assoc. in Med., Johns Hopkins Med. Sch., 1922-1930; Chemist to the Med. Clin., Johns Hopkins Hosp., 1922-1930; *Biochemistry, Duke Hospital, 1930—*

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A.B., and M.D., Baylor, 1920 and 1924; Int., Baylor Hosp., 1924-1925; Res. in Roentgenol., Massachusetts General Hosp., 1925-1926; Ass't. Attending Physician in Roentgen Ray Dept., Presbyterian Hosp. and Med. Center, N. Y., 1926-1930; Instr. in Med., Columbia Univ. Med. Sch., 1926-1930; *Roentgenologist, Duke Hospital, 1930—*

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B.S., Univ. of North Carolina, 1920; M.D., Pennsylvania, 1922; Res. Physician, Univ. of Pa. Settlement House, 1921-1922; Int., Episcopal Hosp., Phila., 1922-1924; Int. and Res. Kensington Hosp. for Women, 1923-1925; Obstetrician, Watts Hospital; Chief Obstetrician, Salvation Army Hospital; *Associate Obstetrician and Gynecologist, Duke Hospital, 1930—*

JULIAN MEADE RUFFIN, A.B., M.A., M.D., *Assistant Professor of Medicine*

A.B., M.A. and M.D., Virginia, 1921, 1922, and 1926; Int. and House Officer, Bellevue Hosp., N. Y., 1926-1928; Instr. in Phys. Diag., George Washington Med. Sch., 1928-1930; *Assistant Physician, Duke Hospital, 1930—*

ALFRED RIVES SHANDS, JR., B.A., M.D., *Associate Professor of Surgery in charge of Orthopedics.*

B.A. and M.D., Virginia, 1918 and 1922; Int. in Med., Ass't. Res. in Surg., Int., Ass't. Res. and Res. in Ortho. Surg., Johns Hopkins Hosp., 1922-1927; Instr. in Ortho. Surg., Johns Hopkins Med. Sch., 1926-1927; Instr. in Ortho., George Washington Univ. Med. Sch., Attending Orthopedic Surgeon, four hospitals, Washington, D. C., 1927-1930; *Orthopedist, Duke Hospital, 1930—*

DAVID TILLERSON SMITH, A.B., M.D., *Professor of Bacteriology, and Assistant Professor of Medicine*

A.B., Furman, 1918; M.D., Johns Hopkins, 1922; Int. in Ped., Johns Hopkins Hosp., 1922-1923; Ass't. in Path. and Bact., Rockefeller Institute, 1923-1924; Bacteriologist, Pathologist and Director, Research Laboratory of N. Y. State Hosp. for Tuberculosis, Ray Brook, N. Y., 1924-1930; *Bacteriologist and Associate Physician, Duke Hospital, 1930—*

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FRANCIS HUNTINGTON SWETT, A.B., M.A., Ph.D., *Professor of Anatomy*

A.B., Bates, 1916; M.A., Brown, 1917; Ph.D., Yale, 1922; Instr. and Assoc. in Anat., Johns Hopkins Med. Sch., 1922-1925; Assoc. Prof. of Anat., Vanderbilt Med. Sch., 1925-1930.

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B.S., M.S., and Ph.D., Univ. of North Carolina, 1920, 1921, and 1924; Instr. in Chem. and Pharmaceut. Chem., Univ. of North Carolina, 1920-1925; Research Chemist, E. R. Squibb & Sons, and Fisk Rubber Company, 1925-1928; Instr. in Ophthalmol., and Chemist to Wilmer Institute, Johns Hopkins Hosp., 1928-1930; *Associate Biochemist, Duke Hospital, 1930—*

JAY MORRIS ARENA, B.S., M.D., *Assistant in Pediatrics*

B.S., West Virginia, 1930; M.D., Duke, 1932; Int. in Ped., Johns Hopkins Hosp., 1932-1933; *Assistant Resident in Pediatrics, Duke Hospital, 1933—*

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A.B., Wisconsin, 1924; M.D., Harvard, 1928; Ass't. in Path., Johns Hopkins Med. Sch., 1928-1929; Instr., 1929-1930; Ass't. Res. Pathologist, Johns Hopkins Hosp., 1928-1930; Instr. in Anat., Duke Med. Sch., 1930-1932; *Assistant Pathologist, Duke Hospital, 1932—*

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A.B., Texas, 1925; M.D., Johns Hopkins, 1929; Int. in Med., Johns Hopkins Hosp., 1929-1930; Ass't. in Med., Duke Med. Sch., 1930-1932; Ass't. Res. and Res. in Med., and *Assistant Physician, Duke Hospital, 1930—*

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 A.B., Occidental, 1926; M.D., Johns Hopkins, 1930; Ass't. in Ped., Duke Med. Sch., 1930-1931; Res. in Ped., Union Memorial Hosp., 1931-1932; Int., Ass't. Res. in Ped., 1930-1931, and *Resident in Pediatrics, Duke Hospital, 1932—*
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 B.S., Oklahoma, 1914; Health Officer, Durham City and County, 1922—
- JOHN WENDELL EVERETT, A.B., Ph.D., *Instructor in Anatomy*
 A.B., Olivet, 1928; Ph.D., Yale, 1932; Instr. in Biol., Goucher, 1930-1931.
- HAROLD FINKELSTEIN, B.S., M.D., *Instructor in Surgery*
 B.S., Yale, 1924; M.D., Johns Hopkins, 1928; Int. in Surg., Johns Hopkins Hosp., 1928-1929; Fellow in Surg., Johns Hopkins Med. Sch., 1929-1930; Ass't. Res. in Surg., Johns Hopkins Hosp., 1930-1931; Assistant Resident, and *Resident in Surgery, Duke Hospital, 1931—*
- CLARENCE DEARBORN FREEMAN, JR., A.B., M.D., *Assistant in Obstetrics and Gynecology*
 A.B., Virginia, 1928; M.D., Virginia, 1932; Int., and *Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1933—*
- SNOWDEN COWMAN HALL, JR., A.B., M.D., *Assistant in Medicine*
 A.B., William and Mary, 1923; M.D., Harvard, 1930; Int. in Med., Boston City Hosp., 1930-1932; *Assistant Resident in Medicine, Duke Hospital, 1932—*
- CHARLES LEWIS HAYWOOD, JR., A.B., M.A., M.D., *Instructor in Anatomy*
 A.B., and M.A., Virginia, 1923; M.D., Harvard, 1927; Int., Fifth Avenue Hosp., 1927-1929.
- JAMES MYERS HICKS, B.S., M.D., *Assistant in Surgery*
 B.S., Furman, 1926; M.D., Med. Coll. State of S.C., 1931; Int. in Surg., and *Assistant Resident in Otolaryngology, Duke Hospital, 1931—*
- WILLIAM HENRY HOLLINSHEAD, B.A., M.S., Ph.D., *Instructor in Anatomy*
 B.A., M.S., and Ph.D., Vanderbilt, 1926, 1927 and 1932; Instr. in Biol., Vanderbilt, 1927-1930.
- JULIA MARY JONES, A.B., *Assistant in Anatomy*
 A.B., Ohio State, 1930.
- GEORGE WILLIAM JOYNER, B.S., M.D., *Assistant in Surgery*
 B.S., Duke, 1930; M.D., Duke, 1932; Int. in Surg., and *Assistant Resident in Surgery, Duke Hospital, 1932—*

JACOB STAUFFER LEHMAN, B.S., M.D., *Instructor in Roentgenology*

B.S., and M.D., Hahnemann, 1929 and 1931; Int., Hahnemann Hosp., 1931-1932; Roentgenology Dept., Hahnemann Hosp., 1932-1933; *Resident in Roentgenology, Duke Hospital, 1933—*

DONALD STOVER MARTIN, A.B., M.D., *Instructor in Medicine*

A.B., Johns Hopkins, 1925; M.D., Rochester, 1930; Int. in Ped., Strong Mem. Hosp., 1930-1931; Ass't. in Physiol. and Ass't. in Bact., Rochester Med. Sch., 1926-1927, and 1931-1932; *Associate Bacteriologist, Duke Hospital, 1932—*

MORTON FREEMAN MASON, B.S., *Assistant in Biochemistry*

B.S., Oregon State, 1925; Ass't. Chemist, Michigan State Coll., 1925-1927; Ass't. Chemist, Michigan Experiment Station, 1927-1931.

ERNEST PARRISH McCUTCHEON, D.D.S., *Instructor in Dentistry*

D.D.S., Atlanta Southern Dental College, 1928; *Dentist, Duke Hospital, 1930—*

MAX OGLESBEE OATES, A.B., M.D., *Assistant in Surgery*

A.B., and M.D., Johns Hopkins, 1924 and 1929; Int. in Surg., Johns Hopkins Hosp., 1929-1930; Ass't. Res. and Res. in Path., and *Assistant Resident in Surgery, Duke Hospital, 1930—*

IVAN ALEXANDER PARFENTJEV, Ph.D., *Fellow in Biochemistry*

Ph.D., Univ. of Moscow, 1916; Ass't. in Biochem., Expt. Station of Crimea, 1918-1921; Ass't. and Privat Dozent in Dept. Biol., Univ. of Moscow, 1922-1928; Res. Fellowship, Boyce Thompson Inst., Yonkers, N. Y., 1928-1929; Res. Fellow in Biochem., Univ. of Berlin, 1929-1930; Res. Fellow. in Path., Washington Univ., St. Louis, 1930-1932.

SHELDON PAYNE, B.S., M.D., *Assistant in Medicine*

B.S., and M.D., Yale, 1928 and 1931; Int., Santa Barbara Cottage Hospital, 1931-1932; Ass't. Res. in Biochem., and *Assistant Resident in Medicine, Duke Hospital, 1932—*

TALMAGE LEE PEELE, A.B., *Assistant in Anatomy*

A.B., Duke, 1929.

ELBERT LAPSLEY PERSONS, A.B., M.D., *Instructor in Medicine and Dermatology*

A.B., Ohio State, 1923; M.D., Harvard, 1927; Int. and Res. in Med., Massachusetts General Hosp., 1927-1930; Res. in Med., and *Assistant Physician, Duke Hospital, 1930—*

EVERETT BLANKS POOLE, A.B., M.D., *Assistant in Medicine*

A.B., Howard, 1926; M.D., Vanderbilt, 1931; Int., Tenn. Coal Iron and R. R. Hosp., 1931-1932; *Assistant Resident in Medicine, Duke Hospital, 1932—*

FRANCIS WALTHOUR PORRO, B.S., M.D., *Instructor in Pathology*

B.S., Chicago, 1926; M.D., Rush, 1929; Int., Lutheran Deaconess Hospital, 1928-1929; Instr. in Pharmacol., Med. Coll. State of S. C., 1929-1930; *Assistant Pathologist, Duke Hospital, 1931—*

MARY ALVERTA POSTON, *Assistant in Bacteriology*

Ass't. in Biol. Lab., Johns Hopkins Hosp., 1922-1930; *Assistant Bacteriologist, Duke Hospital, 1930—*

RAYMOND HARRISON RIGDON, B.S., M.D., *Instructor in Pathology*

B.S., and M.D., Emory, 1929 and 1931; Int., Ass't. Res., and *Resident in Pathology, Duke Hospital, 1931—*

JAMES M. RUEGSEGGER, A.B., M.D., *Assistant in Medicine*

A.B., Baldwin-Wallace, 1922; M.D., Western Reserve, 1931; Int. and *Assistant Resident in Medicine, Duke Hospital, 1931—*

PAUL WELDON SANGER, A.B., M.D., *Assistant in Surgery*

A.B., Oklahoma, 1927; M.D., Vanderbilt, 1931; Int. and *Assistant Resident in Surgery, Duke Hospital, 1931—*

MARY ELIZABETH SHIPP, A.B., M.A., *Research Assistant in Anatomy*

A.B., and M.A., Duke, 1929 and 1932.

SUSAN GOWER SMITH, A.B., M.A., *Instructor in Physiology and Pharmacology*

A.B., Winthrop and Barnard, 1917 and 1919; M.A., Columbia, 1924; *Chemist, N. Y. State Hosp., 1926-1930.*

WALTER LEE THOMAS, JR., A.B., M.A., M.D., *Assistant in Obstetrics and Gynecology*

A.B., Lynchburg, 1926; M.A., and M.D., Virginia, 1927 and 1931; Int., Virginia-Mason Hosp., 1930-1931; *Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1931—*

WILLIAM EDGAR WILKINSON, B.S., M.D., *Assistant in Pathology*

B.S., Davidson, 1928; M.D., Duke, 1932; Int., and *Assistant Resident in Surgery, Duke Hospital, 1933—*

ANNE YATES, A.B., A.M., Ph.D., *Instructor in Biochemistry.*

A.B., Mount Holyoke, 1913; A.M., and Ph.D., Columbia, 1915 and 1920; *Teach. Fellow in Chem., Barnard Coll., 1913-1915; Instr. in Physiol., Mount Holyoke Coll., 1915-1917; Teach. Fellow in Physiol., Univ. of Minn. Med. Sch., 1917-1918; Instr. in Physiol., Wellesley Coll., 1919-1920; Assoc. in Biol., Bryn Mawr Coll., 1920-1925; Ass't. Scientist, St. Elizabeth's Hosp., 1926-1933; Assistant Biochemist, Duke Hospital, 1933—*

LOUIS BARNARD ZIV, A.B., M.D., *Assistant in Surgery*

A.B., and M.D., Johns Hopkins, 1926 and 1930; Int., and *Assistant Resident in Surgery, Duke Hospital, 1930—*

STAFF OF DUKE HOSPITAL

Administrative Committee

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BESSIE BAKER	DERYL HART	F. R. PORTER
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F. ROSS PORTER, A.B., *Assistant Superintendent*.
BESSIE BAKER, R.N., B.S., *Dean of School of Nursing*.
ELSIE WILSON MARTIN, A.B., M.S., *Professor of Dietetics*.
I. THOMAS REAMER, Ph.G., *Pharmacist*.
REBA NEW HOBGOOD, *Social Service*.
JUDITH FARRAR, A.B., B.S., *Librarian*.
MARY HOEN MULLER, R.N., *Anesthetist*.
CHRISTIAN ADOLPH LETZING, *Braces and Instruments*.

Hospital and Public Dispensary Teaching Staff

Chiefs of Services

EDWIN PASCAL ALYEA, S.B., M.D., *Urology*.
WILLIAM BANKS ANDERSON, A.B., M.D., *Ophthalmology*.
BAYARD CARTER, A.B., B.A., M.A., M.D., *Obstetrics and Gynecology*.
RAYMOND S. CRISPELL, A.B., M.D., *Neuropsychiatrist*.
WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., D.Sc., M.D.,
Pediatrics.
WATT WEEMS EAGLE, A.B., M.D., *Otolaryngology*.
WILEY DAVIS FORBUS, A.B., M.D., *Pathology*.
FREDERIC MOIR HANES, A.B., A.M., M.D., *Medicine*.
DERYL HART, A.B., M.A., M.D., *Surgery*.
ERNEST PARRISH McCUTCHEON, D.D.S., *Dentistry*.
WILLIAM ALEXANDRE PERLZWEIG, B.S., A.M., Ph.D., *Biochemistry*.
ROBERT JAMES REEVES, A.B., M.D., *Roentgenology*.
ALFRED RIVES SHANDS, JR., B.A., M.D., *Orthopedics*.
DAVID TILLERSON SMITH, A.B., M.D., *Bacteriology*.

Associate Staff

MERLE THERON ADKINS, B.S., M.D., *Medicine*.
WILLIAM BANKS DEWAR, B.S., M.D., *Medicine*.
ROYALL MANN CALDER, A.B., M.D., *Medicine*.
MACDONALD DICK, A.B., M.A., M.D., *Medicine*.
OSCAR CARL EDWARD HANSEN-PRÜSS, A.B., M.D., *Medicine*.
ROBERT RANDOLPH JONES, JR., A.B., M.D., *Surgery*.
CHRISTOPHER JOHNSTON, A.B., M.D., *Medicine*.
JULIAN MEADE RUFFIN, A.B., M.A., M.D., *Medicine*.

DAVID TILLERSON SMITH, A.B., M.D., *Medicine*.
 NORMAN OWEN SPIKES, A.B., M.D., *Medicine*.
 PAUL FREDERIC WHITAKER, A.B., M.D., *Medicine*.
 CLARENCE ELLSWORTH GARDNER, JR., A.B., M.D., *Surgery*.
 EDWIN CROWELL HAMBLEN, B.S., M.D., *Obstetrics and Gynecology*.
 ROBERT ALEXANDER ROSS, B.S., M.D., *Obstetrics and Gynecology*.
 ANNIE THOMPSON SMITH, A.B., A.M., M.D., *Obstetrics and Gynecology*.
 BAIRD URQUHART BROOKS, B.S., M.D., *Pediatrics*.
 ARTHUR HILL LONDON, JR., A.B., M.D., *Pediatrics*.
 ANGUS MURDOCH MCBRYDE, B.S., M.D., *Pediatrics*.
 DONALD STOVER MARTIN, A.B., M.D., *Bacteriology*.
 ELBERT LAPSLEY PERSONS, A.B., M.D., *Medicine and Dermatology*.
 OSCAR WOODS HOLLOWAY, D.D.S., *Dentistry*.
 ROGER DENIO BAKER, A.B., M.D., *Pathology*.
 DOUGLAS HAMILTON SPRUNT, B.S., M.S., M.D., *Pathology*.
 FRANCIS WALTHOUR PORRO, B.S., M.D., *Pathology*.
 HAYWOOD MAURICE TAYLOR, B.S., M.S., Ph.D., *Biochemistry*.
 ANNE YATES, A.B., A.M., Ph.D., *Biochemistry*.

Resident Staff

Residents

ERLE BULLA CRAVEN, JR., A.B., M.D., Johns Hopkins, 1929, *Medicine*.
 HAROLD FINKELSTEIN, S.B., M.D., Johns Hopkins, 1928, *Surgery*.
 JEAN DAVIDSON CRAVEN, A.B., M.D., Johns Hopkins, 1930, *Pediatrics*.
 RAYMOND HARRISON RIGDON, B.S., M.D., Emory, 1931, *Pathology*.
 JACOB STAUFFER LEHMAN, B.S., M.D., Hahnemann, 1931, *Röntgenology*.

Assistant Residents

SNOWDEN COWAN HALL, JR., A.B., M.D., Harvard, 1930, *Medicine*.
 SHELDON PAYNE, B.S., M.D., Yale, 1931, *Medicine*.
 EVERETT BLANKS POOLE, A.B., M.D., Vanderbilt, 1931, *Medicine*.
 JAMES MOORE RUEGSEGER, A.B., M.D., Western Reserve, 1931, *Medicine*.
 GEORGE WILLIAM JOYNER, B.S., M.D., Duke, 1932, *Surgery*.
 MAX OGLESBEE OATES, A.B., M.D., Johns Hopkins, 1929, *Surgery*.
 PAUL WELDON SANGER, A.B., M.D., Vanderbilt, 1931, *Surgery*.
 WILLIAM EDGAR WILKINSON, B.S., M.D., Duke, 1932, *Surgery*.
 LOUIS BERNARD ZIV, A.B., M.D., Johns Hopkins, 1930, *Surgery*.
 JAMES MYERS HICKS, B.S., M.D., South Carolina, 1931, *Otolaryngology*.
 CLARENCE DEARBORN FREEMAN, JR., A.B., M.D., Virginia, 1932, *Obstetrics and Gynecology*.
 WALTER LEE THOMAS, JR., A.B., M.A., M.D., Virginia, 1931, *Obstetrics and Gynecology*.
 JAY MORRIS ARENA, B.S., M.D., Duke, 1932, *Pediatrics*.
 GEORGE HEINITSH, B.S., M.D., Duke, 1932, *Private Diagnostic Clinic*.

Internes

JASPER LAMAR CALLAWAY, M.D., Duke, 1933, *Medicine*.
 A. DERWIN COOPER, A.B., M.D., George Washington, 1931, *Medicine*.
 BENJAMIN GEORGE DININ, M.D., Duke, 1933, *Medicine*.

- ALFRED DEADERICK DOAK, A.B., M.D., Harvard, 1933, *Medicine*.
GUSTAVE FREEMAN, Ph.B., M.D., Duke, 1933, *Medicine*.
PAUL GERHARD REQUE, M.D., Duke, 1933, *Medicine*.
BERGET HENRI BLOCKSOM, JR., A.B., M.D., Duke, 1933, *Surgery*.
RICHARD VAN FLETCHER, B.S., M.D., Johns Hopkins, 1933, *Surgery*.
JAY LEONARD HUTCHISON, M.D., Duke, 1933, *Surgery*.
LOUIS CARROLL ROBERTS, A.B., M.D., Duke, 1933, *Surgery*.
HERMAN MAX SCHIEBEL, A.B., M.D., Johns Hopkins, 1933, *Surgery*.
SAMUEL EARLE UPCHURCH, B.A., M.D., Vanderbilt, 1933, *Surgery*.
RICHARD JOHN WEHS, S.B., M.D., Johns Hopkins, 1932, *Surgery*.
GEORGE HENRY DERIEUX, B.S., M.D., Virginia, 1932, *Obstetrics and Gynecology*.
JOHN RANDOLPH PERDUE, B.S., M.D., Virginia, 1932, *Obstetrics and Gynecology*.
JOSEPH MIGNONE, JR., B.S., M.D., Yale, 1933, *Pediatrics*.
LOUIS SPEKTER, B.S., M.D., Rochester, 1933, *Pediatrics*.
WALTER EUGENE DANIEL, B.A., M.D., Medical College of Virginia, 1931, *Pathology*.
JARRETT EARL WILLIAMS, M.D., Duke, 1933, *Pathology*.
WILLIAM PENN FRAZER, B.S., M.D., Duke, 1933, *Student Health Service*.

COMMITTEES OF THE SCHOOL OF MEDICINE

ADMINISTRATIVE COUNCIL OF THE SCHOOL OF MEDICINE

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R. L. FLOWERS, *Secretary and Treasurer*
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COMMITTEE ON THE CURRICULUM

G. S. EADIE (<i>Chairman</i>)	E. L. PERSONS	D. H. SPRUNT
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COMMITTEE ON THE LIBRARY

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W. D. FORBUS (<i>Chairman</i>)	W. A. PERLZWEIG
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COMMITTEE ON INTERNESHIIPS

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F. D. McCREA (<i>Chairman</i>)	R. R. JONES, JR. D. T. SMITH
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G. S. EADIE	S. G. SMITH

COMMITTEE ON STUDENT TECHNICIANS

D. T. SMITH (<i>Chairman</i>)	H. M. TAYLOR R. D. BAKER
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**REGIONAL REPRESENTATIVES OF THE COMMITTEE
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San Francisco, California.....	EMILE F. HOLMAN
Montreal, Canada.....	WILDER PENFIELD
Denver, Colorado.....	FRANKLIN P. GENGENBACH
New Haven, Connecticut.....	ALLEN K. POOLE
Jacksonville, Florida.....	EDWARD JELKS
Atlanta, Georgia.....	JAMES E. PAULLIN
Savannah, Georgia.....	VICTOR H. BASSETT
Chicago, Illinois.....	GEORGE H. GARDNER
Chicago, Illinois.....	PRESTON KYES
Iowa City, Iowa.....	PHILIP C. JEANS
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New Orleans, Louisiana.....	PHILIP H. JONES, JR.
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Butte, Montana.....	CAROLINE MCGILL
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Palmerton, Pennsylvania.....	R. P. BATCHELOR
Philadelphia, Pennsylvania.....	JOHN T. BAUER
Pittsburgh, Pennsylvania.....	DAVENPORT HOOKER
Pittsburgh, Pennsylvania.....	ROY R. SNOWDEN
Scranton, Pennsylvania.....	GEORGE A. CLARK
Columbia, South Carolina.....	JAMES H. GIBBES
Columbia, South Carolina.....	WILLIAM WESTON
Memphis, Tennessee.....	RAPHAEL E. SEMMES

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Fort Worth, Texas.....	KHLEBER H. BEALL
Salt Lake City, Utah.....	ALFRED J. RIDGES
St. Johnsbury, Vermont.....	WAL. G. RICKER
Charlottesville, Virginia.....	HENRY B. MULHOLLAND
Huntington, West Virginia.....	GEORGE M. LYON
Seattle, Washington.....	ALBERT S. McCOWN

GENERAL STATEMENT

Duke University School of Medicine and Duke Hospital were established in 1925, through the munificent gift of the late James B. Duke. The hospital and public dispensary were opened for patients on July 21, 1930, and up to January 1, 1934, 33,095 patients have been registered under the unit history system. During 1933, the average hospital census was 201; 73,191 days of hospital care were given, and 27,926 visits were made to the public dispensary. On October 1, 1930, seventy students were admitted to the School of Medicine; the following year there were one hundred and forty-five; in 1932, one hundred and sixty-five; and in 1933, one hundred and ninety-three. Seventy-five per cent of these students have availed themselves of the four quarter plan. On June 8, 1932, eighteen students, and on June 7, 1933, fourteen students, who had been admitted to the junior classes in 1930 and 1931 respectively, were graduated.

The *School of Medicine* has been planned to insure the greatest correlation between the various departments. These facilities are available also for students who are studying for degrees other than that of Doctor of Medicine. The *Hospital* has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham, or from a distance.

FACILITIES OF THE HOSPITAL

The Duke Hospital has four hundred and fifty-six beds, including fifty bassinets for newly-born infants. *Medicine*, including dermatology, neurology, and psychiatry, has one hundred and eleven ward beds; *surgery*, including urology, otolaryngology, ophthalmology, and orthopedics, one hundred and five ward beds; *obstetrics*, including *gynecology*, fifty-six, and fifty bassinets, and *pediatrics*, fifty-two. There are eighty-two private rooms and semi-private cubicles, seven operating rooms, four obstetrical delivery rooms, and accommodations for a resident staff of fifty. Offices and examining rooms for the members of the medical faculty are located in the hospital.

PUBLIC WARD PATIENTS. Duke University cannot give charity treatment to all who apply; therefore patients whose incomes are less than \$15 per week should apply for examinations, or for admission to the public wards (whether full-pay, part-pay or free) through their family physicians, to the Duke Public Dispensary (tel. Durham F-131) on the days and hours listed below. The charge for examinations in the Duke Public Dispensary is \$0.75. On April 20, 1933, the hospital fees were changed to three classes of flat daily rates which cover all hospital costs, including those usually charged as extras, thereby making it possible to estimate, in advance, the probable cost of hospitalization, and to adjust the bill to the patient's resources. The response to this policy of basing the rate upon the amount the patient can pay, rather than on the actual cost, like a hotel, has been favorable, and many, who, under the former system, unnecessarily were objects of charity, are now able to maintain their self-respect by contributing a fixed sum within their means. The actual cost to the hospital for public ward care is over four dollars daily; but in order to meet the greatly increased demand for charity work, Duke Hospital adopted the cooperative plan of paying half the cost, provided the patient, or his county welfare department, cooperated by paying the other half, or two dollars daily, in advance, which is in accordance with Mr. Duke's plan that the communities share, with the Duke Endowment, the burden of charity patients, instead of either carrying all of it. Charity care is treatment which is furnished at less than cost. Whether or not the patient, or his community, pay part of that cost, the balance is charity from Duke Hospital. Far more individuals have been helped under this new cooperative plan than formerly were cared for. As a matter of fact, the total amount of actual free service to the community in dollars and cents, or patient days, is much greater than that previously furnished. Welfare departments and churches should assist in the payment for the needy.

PRIVATE PATIENTS. Patients who can pay the private rates of \$3.50 to \$9.00 per day, exclusive of professional services, may at any time, through their family physicians, in consultation with any member of the hospital staff, reserve private rooms by telephoning to the admitting office (Durham F-131). Appointments for private examinations and treatment may be made in

advance by telephoning to members of the hospital staff, or to the Private Diagnostic Clinic (Durham F-131).

Every effort is being made to cooperate with the medical profession, and patients are asked to return to the physicians who referred them to the hospital and public dispensary.

PUBLIC DISPENSARY

The public dispensary, with ninety examination and treatment rooms, a physiotherapy division, and a brace and instrument shop, is equipped for the diagnosis and treatment of all forms of disease.

SCHEDULE OF THE DUKE PUBLIC DISPENSARY. White patients are admitted at 12:45 p.m.; colored at 1:15 p.m.. *Medicine, General Surgery, Obstetrics and Gynecology, Children's Diseases*: Daily, except Saturdays, Sundays and holidays. *Urology*: Tuesdays and Fridays. *Ear, Nose and Throat*: Mondays, Tuesdays, and Thursdays. *Dentistry*: Mondays and Thursdays. *Eye*: Tuesdays and Fridays. *Orthopedics*: Mondays, Wednesdays, and Fridays. *Asthma, Hay Fever and Skin Diseases*: Tuesdays, 9:00 a.m. *Syphilology*: Thursday evenings, 6:30-7:30 p.m.

If the patient is able to pay, the public dispensary charge is from \$0.75 to \$2.00 for the first visit to any department, except asthma and syphilology, in which the rates are \$5 and \$2 respectively, because of the cost of materials used. For the return visits, to the regular clinics, the rate is from \$0.25 to \$0.75 for consultation or completion of examination; and \$0.75 for patients who have not been instructed to return, and do so on their own initiative. In order to cooperate with the medical profession, anyone who wishes to attend the public dispensary should consult, and bring a letter from his or her own physician. All patients accompanied by their physicians are admitted free to the public dispensary.

The general policy of admitting patients to the wards and public dispensary is to consider carefully their financial and social status; income and size of family, special responsibilities, and the probable cost of treatment all being weighed in determining admission. A married patient, for instance, with an income of less than \$15 per week is considered admissible to

the public wards, or public dispensary, for ordinary conditions; the income limit, of course, varying according to the other factors which affect the patient's financial status. Those who are able to pay the ordinary fees of consultants and specialists are not admitted to the public dispensary, but may make arrangements through their own physicians for examinations by any member of the hospital staff, or in the Private Diagnostic Clinic.

PRIVATE DIAGNOSTIC CLINIC

The Private Diagnostic Clinic was organized in September, 1931, to coordinate the diagnostic studies, and better to care for all the problems arising in the examination of private patients. It does not interfere with the private practice of any physician on the hospital staff. The clinical staff of Duke Hospital and School of Medicine form the professional staff of this clinic, while the financial side is handled by a business manager. The offices and examining rooms are in Duke Hospital, and all the laboratory and diagnostic facilities of the hospital and school of medicine are utilized by the clinic. A complete diagnostic survey usually requires from two to four days, and the charges range from \$15 to \$50, the amount depending on the work required, and the financial condition of the patient. Since its organization, the clinic has grown steadily in size, and seems to fill a definite place in the diagnostic studies on private patients.

SCHOOL OF NURSING

The next class of students will be admitted to the Duke University School of Nursing on October 1, 1934, but applications should be sent as soon as possible; they will be considered in order of receipt. The entrance requirements are intelligence, character, and graduation from an acceptable high school. The course leading to the Diploma of Graduate Nurse consists of three years of eleven months each. The tuition is \$100 per year. Application forms and bulletins may be obtained by writing to the Dean, Duke University School of Nursing, Durham, N. C.

Duke University grants the degree of Bachelor of Science in Nursing to women who have completed successfully two years of college work (sixty semester-hours) in Duke Univer-

sity or another approved university or college, in addition to the three year course leading to the Diploma of Graduate Nurse in Duke University School of Nursing. The sixty semester-hours of college work can be completed either before or after the three year course in the School of Nursing, but not during it. Those who contemplate studying for this degree should obtain, from the Dean of the School of Nursing, advice about the university or college courses which are recommended.

SCHOOL OF DIETETICS

In addition to the training of medical students and nurses in dietetics, women whose previous training is acceptable may be admitted to the School of Dietetics at any time for which their previous training has fitted them, and are given the Diploma of Graduate Dietitian after the successful completion of the course of one year. The course includes both academic instruction and actual experience. There are classes and teaching clinics given by the faculty of the School of Medicine which are open to student dietitians. Applications should be sent to the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C.

Intelligence and character are the essential qualifications for admission. Women are eligible who have received a bachelor's degree for a four year's undergraduate course in Duke University, or another approved university or college. The academic requirements include courses in general chemistry; organic chemistry; bacteriology; education; biology; normal nutrition; food preparation; meal planning, experimental and quantity cooking; and institutional management. A course in physics is strongly recommended. The number of required semester-hours of each of the above courses is in accordance with the entrance requirements recommended by the American Dietetics Association.

POSTGRADUATE STUDY

The need for more provision for postgraduate study is very acute not only in this country but abroad. There are very few clinics to which a physician can go, after he has been in practice several years, to obtain the additional training which he has found he requires. The School of Medicine is attempting to

fill this need. If any doctor wishes to spend a few days, weeks, or months reviewing his knowledge of medicine, surgery, obstetrics, pediatrics, or other branches, or if he has to do an unusual operation, and wishes to refresh his memory of the anatomy involved, the facilities and equipment are at his disposal. The School of Medicine is not limited to the training of its own students and staff, but extends to the members of the medical profession the benefit of everything it has. Graduates in medicine are welcomed especially at the various clinics and demonstrations in medicine, surgery, pediatrics, and other specialties, which are held from 9 a.m. to 12:30 p.m. each Saturday, and at the clinical-pathological conferences at 5 p.m. on Wednesdays. Further information may be obtained by writing to the head of the department concerned or to the dean.

INTERNESHIPS AND RESIDENCIES

Internships of one year's duration with room, board, laundry, and uniforms furnished, but without salary, are available in *medicine* (including dermatology, neurology, and psychiatry), in *obstetrics* and *gynecology*, in *pediatrics*, in *surgery* (including general surgery, urology, and orthopedics), or in *pathology*, commencing each July and September. Application blanks, which must be returned by December first, before the appointment is desired, may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C. Graduates of any class A medical school are eligible for internships.

After the completion of an internship in Duke Hospital, or in another acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics and gynecology, pediatrics, orthopedics, urology, otolaryngology, roentgenology, pathology, or biochemistry, or as fellows of the private diagnostic clinic, at a salary of \$250 per year, with maintenance, and eventually may be promoted to the residency in the various departments or sub-departments of the hospital at an annual salary of \$500 to \$1,000, with maintenance. Applications should be made to the head of the department concerned.

The hospital and medical school are an integral part of Duke University campus. The university has educational,

recreational and athletic facilities for three thousand students, which are available for the resident staff.

The present resident staff of thirty-nine consists of a resident, four assistant residents, and six internes in *medicine*; a resident, five assistant residents, and seven internes in *surgery* (the five surgical assistant residents are assigned in rotation to *general surgery, pathology, orthopedics, and urology*); an assistant resident in *otolaryngology*; two assistant residents and two internes in *obstetrics and gynecology*; a resident, and assistant resident, and two internes in *pediatrics*; a resident in *roentgenology*; a resident, and two internes in *pathology*; one fellow in the *Private Diagnostic Clinic*, and one interne on the *Student Health Service*.

LIBRARY

"To study the phenomena of disease without books is to sail an uncharted sea, while to study books without patients is not to go to sea at all."—SIR WILLIAM OSLER.

In addition to the general library of Duke University, and the departmental libraries of biology, chemistry, and physics, which have 300,000 volumes available for medical students, Duke Hospital Library contains 28,176 volumes of American and foreign medical literature, and subscribes to 412 current American and foreign medical and other scientific journals. These books and journals are available daily from 8:30 a.m. to 10:00 p.m. for the students, nurses, staff, and medical profession.

APPLICATION FOR ADMISSION

Application forms may be obtained by writing to the Dean, Duke University School of Medicine, Durham, N. C. They must be filled in with typewriting, a 2 in. x 2½ in. recent photograph attached, and the application returned to the Dean as soon as possible. Applications are considered in the order received. If the information obtained is satisfactory, a personal interview with the committee on admission, or a regional representative, is arranged for the applicant. The candidate is then notified as soon as possible whether he has been accepted or declined; if accepted, the student must send a deposit of \$50

within two weeks to insure his enrollment. This money is applied toward the tuition. First year students are admitted only in October at the beginning of the autumn quarter, but applications are considered and a decision in regard to admission is made at any time during the preceding year. Women are received on the same terms as men.

STUDENT GOVERNMENT

The members of the student body elect an Honor Council in which each class is represented. This Honor Council has the duty of sitting in judgment upon any and all breaches of conduct which may be committed by members of the student body.

All new students entering this school are required to pledge their willingness to support, and comply with this system of government.

REQUIREMENTS FOR ADMISSION

"I recommend that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination and application cringing a wholesome and real ambition for life."—JAMES B. DUKE.

Intelligence and character are the essential qualifications for admission.

In addition, each candidate must have the following preparation which includes the minimal requirements for grade A medical schools:

1. At least two years of college work (70 semester-hours), including:

2. *Biology*: At least one year (12 semester-hours, one half of which must be laboratory work, and must include training in embryology). A course in comparative anatomy also is recommended.

3. *Chemistry*: At least two years (10 semester-hours of inorganic chemistry including short or preliminary courses in qualitative and quantitative analysis, and 6 semester-hours of organic chemistry; one half of each course must be laboratory work). These represent the minimal requirements in chemistry. Additional courses in analytical and physical chemistry are desirable.

4. *Physics*: At least one year (10 semester-hours, one half of which must be laboratory work).

5. *English*: At least two years (12 semester-hours).

6. *Mathematics*: At least one year (6 semester-hours; a working knowledge of logarithms is essential and one of calculus is desirable).

7. *German*: A reading knowledge of scientific German is highly desirable.

8. Applicants are required to take the aptitude tests of the Association of American Medical Colleges unless specifically excused by the school. These tests were given at most of the colleges and universities on December 6, 1933.

(Selection is based on the *quality* rather than the *quantity* of preparation.)

REQUIREMENTS FOR ADMISSION TO ADVANCED STANDING

In addition to the requirements for entrance, an applicant for admission to the junior class must present evidence that he will complete successfully the first and second year curriculum in a class A medical school consisting of: Gross, microscopic and neuro-anatomy, biochemistry, pharmacology, physiology, gross and microscopic pathology, bacteriology, clinical microscopy, and normal and abnormal physical diagnosis. Students who transfer from other medical schools can be admitted only in the autumn quarter, but are required to spend the preceding summer quarter here, without tuition, studying physical diagnosis and clinical microscopy, and pass the Duke preclinical examinations in September. They are eligible to receive a certificate in March or June two years later, depending on whether they attend the intervening summer quarter. Application forms may be obtained by writing to the Dean, Duke University School of Medicine, Durham, N. C.; they are considered and a decision in regard to admission made as described on page 28. Students at other approved medical schools may, if recommended, transfer to Duke for one or more quarters for regular or special studies. They should write to the Dean for information.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

Duke University grants the degree of Bachelor of Science in Medicine to students who have completed satisfactorily sev-

enty semester-hours of college work in Duke University, or another approved university or college, six quarters in the Duke University School of Medicine, *creditable extra* work in any department, and an accepted thesis. No credit toward this degree is given for additional college work, and students who have a bachelor's degree are not eligible. Students who wish to study for this degree should, during their third quarter, arrange a program of extra work with the head of the department concerned.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine is conferred upon those, who, after fulfilling all the requirements for entrance, have completed to the satisfaction of the executive committee, twelve quarters of the curriculum of the School of Medicine, and then have spent two years in satisfactory work in a hospital or laboratory acceptable to the executive committee. After the successful completion of the twelfth quarter, students are given certificates, and after the requirement of hospital or laboratory work has been met, the degree of Doctor of Medicine is conferred.

DEPARTMENTS OF INSTRUCTION

Anatomy

The autumn quarter and two days per week during the winter quarter of the first year are devoted to the courses of instruction in gross human anatomy, histology, and neurology required of all entering students. Further work in these subjects, and advanced studies in various other branches of anatomy may be undertaken during the students' free time. Prospective candidates for elective work should discuss their wants with the member of the staff in charge of the particular field in which work is requested, because only a small number can be accommodated in each group. A few properly qualified students may be permitted to undertake original research under the direction of various members of the staff.

Biochemistry

The *required* course in general biochemistry for first year students in medicine, and for properly qualified graduate students in other departments of the university, is given during the winter quarter. Three lectures and four laboratory periods of three hours each per week for eleven weeks present a general outline of the subject, to be supplemented by systematic reading. At least once a week the students meet in small groups with instructors for conferences and discussion of the laboratory work.

Electives in pathological chemistry, blood analysis, selected methods of biochemical research, and the organic chemistry of proteins and carbohydrates are offered to groups of qualified students in the autumn, spring, and summer quarters. Details will be posted on the bulletin board. The facilities of the department of biochemistry, including various types of research equipment, and of the clinical material of the blood chemistry laboratory, are available for independent or supervised investigations.

Physiology and Pharmacology

The required courses consist of (a) a lecture course in physiology including nutrition; (b) a lecture course in pharmacology to run concurrently with (a); (c) a laboratory course covering

physiology, pharmacology and nutrition; and (d) a seminar in which problems arising in the laboratory, and in the students' reading are discussed.

Elective courses covering particular aspects of these subjects including pathological physiology, and research in special fields are available. Details will be posted on the bulletin board.

Pathology

The *required* course in general pathology for second year students is given in the autumn and winter quarters. The class is divided into small groups, one instructor being assigned to each group. For the purpose of teaching the gross pathological alterations of tissue, the museum material, which consists of complete cases preserved as separate units, has been classified into well recognized groups, such as obstructions, diseases due to animal parasites, tumors, etc., each group of material being placed in a separate laboratory. The various student groups are rotated through these rooms. The microscopic aspects of pathological processes are studied by the students at the same time the gross pathological features of the disease are being considered. Physiological, chemical, and bacteriological phases of the various disease processes are at the same time presented to the student by constant reference to the autopsy protocols and clinical studies of the cases, which are under study in the groups. No formal course of lectures is given. Special lectures on general subjects which have wide application may be given from time to time to the whole class. Attendance at autopsies is required of the students of the second year, the class being divided into small groups which are called in turn. The group members are required to follow the complete studies of the cases which they see, and when such studies are completed, they must present the case in conference before the entire class.

Elective courses in pathology are available for a limited number of students who have completed the course in general pathology. These courses are given in the spring quarter. Research facilities are provided in the department for students who are trained sufficiently to undertake investigation.

On Wednesdays at 5 p.m., throughout the year, a clinical pathological conference is held in cooperation with the staffs of the clinical departments. While this conference is designed

especially for the hospital staff, it is open to all members of the medical profession, and students of medicine.

Medicine

Bacteriology and serology are taught to first year students during the spring quarter. During their clinical clerkships on medicine (one quarter each for junior and senior classes), the students may perform the routine and special bacteriological work under the direction of the department of bacteriology, and in parallel with the biological division of the medical clinic, for the patients assigned to them on the teaching service. An *elective* course in the newer developments in bacteriology and in immunology is given in the autumn quarter. Opportunities are afforded second year and senior students for investigations during their elective quarters.

Clinical microscopy is given in the autumn quarter of the second year. The course includes the essentials of hematology, and the examination of fresh material, such as urine, stools, spinal fluid, sputum, transudates, and exudates. The most important parasites of man are studied by the use of fresh and museum material. Second year and senior students are given opportunities for special work, and for investigation, during their elective quarters.

Physical diagnosis. The course in physical diagnosis is given to second year students in the winter quarter. In this course, the student is instructed first in the art of history taking, then in the examination of normal, and finally in the examination of abnormal conditions. The class is divided into sections of not more than eight students per section, and each student given individual instruction. The students take complete histories and make an examination of one another, which are checked by an instructor. After becoming thoroughly acquainted with normal physical signs, each student is given cases selected from the wards, representing the more common pathological conditions.

This course also is used as an introduction to clinical medicine, and all the specialties are taught by those practicing that particular branch of medicine. For example, the examination of the eye is taught by the division of ophthalmology; that of the ear, nose and throat, by the division of otolaryngology,

etc. The actual distribution of hours is as follows: Medicine (history taking, examination of chest, heart, etc.), 40 hours; surgery (introduction to surgical methods, examination of abdomen, etc.), 11 hours; central nervous system, 16 hours; urology, 6 hours; orthopedics, 7 hours; otolaryngology, 7 hours; ophthalmology, 6 hours; dentistry, 3 hours; obstetrics and gynecology, 17 hours; pediatrics, 9 hours; x-ray, 4 hours; total, 126 hours.

In this way the student receives not only the usual course in normal and abnormal physical signs, but also an introduction to clinical medicine and the various specialties.

Junior medicine. Junior students are assigned in small groups for one quarter to the medical wards, as clinical clerks. Ward rounds are held from 8:30 to 9:30 a.m., on Mondays, Wednesdays and Fridays. During the autumn, winter and spring quarters, clinics in neurology and medicine are given on Mondays, Wednesdays and Saturdays at 11:30 a.m.

Senior medicine. Senior students are assigned for one quarter to the dispensary as clinical clerks. Ward rounds are held from 9:30 to 11:30 a.m. on Mondays and Fridays. Seniors attend medical clinics on Mondays, Wednesdays and Saturdays at 11:30 a.m. A course in roentgenological diagnosis, with especial reference to differential diagnosis, and x-ray and radium therapy is given to senior students during the senior medical quarter.

Psychiatry. Instruction in psychiatry is given in the third and fourth years by the attending and resident psychiatrists. The close relationship between psychiatry and the other branches of medicine, especially neurology and internal medicine, is emphasized. In a series of lectures and clinics in the junior year, the student is introduced to, and oriented in the subject of psychiatry. Topics such as the modern conception of the personality, its physical basis, its growth and personality traits are brought out. The principal schools of psychopathology are discussed, as are the principal mental mechanisms, normal and abnormal. The problems of intelligence, intelligence testing and mental deficiency are studied. The student is introduced to the subject of mental hygiene, and to the methods of psychiatric examination and treatment.

Psychiatry is continued in the senior year in a more clinical and practical way. In a series of lectures and clinics, at 9:30 a.m. on Wednesdays, the subject of mental disorders in general is considered, and the major psychoses are specifically outlined. The didactic work in psychiatry is supplemented by actual experience in handling such psychiatric problems as occur on the wards and in the public dispensary of the hospital. The problems of the psychoneuroses are emphasized.

In addition, clinics are held in the North Carolina State Hospital, Raleigh, N. C. This institution, with three thousand patients, is cooperating splendidly with the school of medicine. Special and elective work in psychiatry is offered to students who are especially interested. For this, not only the faculties above mentioned, but also those of the North Carolina Caswell Training School for the mentally deficient are available. Before graduation, it is sought to give the student a worthy conception of the individual as a whole, the psychobiological unit, that may be applied in practice.

Surgery

General surgery. In the winter quarter, the second year students, during their course in physical diagnosis, attend clinics and demonstrations arranged to familiarize them with the technique of examinations, and the diagnostic procedures used in general surgery and the surgical specialties. Emphasis is placed on the more practical and commonly used methods.

During the autumn, winter and spring quarters, at 11:30 a.m. on Tuesdays and Fridays, and at 9:30 a.m. on Saturdays, clinics in surgery and the surgical specialties are held for junior and senior students. The *junior* students, during their surgical quarter, attend ward rounds in surgery and the surgical specialties, from 8:30 to 9:30, on Mondays, Wednesdays, and Fridays, act as clinical clerks on the wards, avail themselves of the electives offered, and attend the regular clinics. The surgical group in the *senior* year attends ward rounds from 8:30 to 9:30 on Mondays, Wednesdays, and Fridays, the regular clinics, and the electives offered, and works in the surgical dispensary in the afternoons. Individuals may take any of the electives offered.

An *elective* course in operative surgery is given in the experimental laboratory during the fall and spring quarter. This course is scheduled from 8:30 to 11:30 a.m. on Tuesdays and Thursdays. The group is divided into operating teams and each student takes his turn serving as the operator's first assistant and anesthetist. During the winter quarter special work in experimental surgery may be arranged by conference with the instructor. The purpose of this course is to teach the basic principles of aseptic surgery, as well as of anesthesia. Incidentally the student performs a number of operations illustrating this type of surgery, the operative procedures being of gradually increasing difficulty.

An *elective* course in emergency and traumatic surgery is given each quarter. In groups of two, each week, junior or senior students are on call in the emergency room for all accidents and emergencies. Opportunity is given to observe and to assist in the treatment of accident cases and in the diagnosis of acute abdominal emergencies. Lectures, twice each week, during the winter quarter, supplement this course.

An *elective* course in anesthesia is open to two properly qualified senior students, each quarter. Students meet the anesthetist each morning in the operating room, and observe, and administer anesthetics under supervision.

Ophthalmological division. During the winter quarter, second year students receive instruction in elementary ophthalmology. During the senior specialties quarter, the students are assigned to the ophthalmological clinic on Tuesday and Friday afternoons for five and one-half weeks, and assist in the study and treatment of eye diseases. Especial emphasis is placed on the underlying medical and surgical conditions. Each student follows throughout his time in the clinic all cases assigned to him. For those who manifest an unusual interest in this specialty, provision will be made for more advanced work.

Orthopedic division. In the winter quarter of the second year an introductory course in orthopedics is given. During their surgical quarter the junior students attend ward rounds at 9:30 a.m., on Mondays. The senior students in their surgical quarter may elect to attend these rounds. Clinics are held during the autumn quarter on Fridays at 11:30 a.m., for juniors and seniors. Students in their senior elective quarter spend

Mondays, Wednesdays and Fridays from 1:30 to 4:30 p.m. in the public dispensary. Special work may be arranged for those students in the senior elective quarter who elect to spend this time in orthopedics. An *elective* course in orthopedic pathology is offered for one hour per week during the winter quarter for juniors and seniors. Lectures on fractures are given during the spring quarter for juniors and seniors. Students are given the opportunity of attending the North Carolina Orthopedic Hospital Clinic at Goldsboro once a month if they so desire. Any senior student who wishes during his senior elective quarter to spend the time in crippled children's work may apply for an appointment as a student interne in the North Carolina Orthopedic Hospital at Gastonia (150 beds).

Otolaryngological division. An introductory course of instruction in the use of otolaryngological instruments is given to second year students in the winter quarter. Senior students during their specialties quarter spend Monday, Tuesday and Thursday afternoons in the otolaryngological clinic for five and one-half weeks. An *elective* course on the anatomy, physiology, and diseases of the ear, nose, and throat can be arranged for those desiring it.

Urological division. In the winter quarter, there is given for second year students a course of lectures and practical demonstrations in urological physical diagnosis in the normal individual. Ward rounds on urological patients are given every Friday at 9:30 a.m., throughout the year, which junior students, in their surgical quarter, and the senior surgical group are required to attend. During each quarter, small groups are selected from the senior surgical students, and assigned to the urological dispensary on Tuesday and Friday afternoons. Here they, under proper supervision, study patients and give recommended treatment. During one and a third quarters of the year, urological lectures are given each Friday at 11:30 a.m. for the junior and senior classes. These lectures deal with the affections of the male and female urinary tracts, and of the male genital tract. A special clinic for urethroscopic and cystoscopic investigation, and the more technical methods of urological diagnosis and treatment is held every Wednesday from 9:00 a.m. to 12:00 noon, throughout the year. Senior students may take this course as an elective.

Dentistry. Second year students, in the winter quarter, are instructed in the principles of dentistry. In order for junior and senior students to become familiar with the more common diseases of the teeth and gums, particularly in their relationship to general medical and surgical diseases, provision is made for them to attend the dental clinic. The various lesions are demonstrated, their bearing on systemic disease discussed, and treatment carried out.

Obstetrics and Gynecology

Second year students receive seventeen hours of instruction in the fundamentals of obstetrics and gynecology during their course in physical diagnosis in the winter quarter. Clinics and demonstrations for junior and senior students are held on Thursdays at 11:30 a.m. during the autumn, winter, spring and summer quarters. During the quarter of the *junior* year assigned to the specialties, each group of students attends ward rounds at 9:30 a.m. on Mondays, Wednesdays, and Fridays, for eleven weeks, and the public dispensary daily, except Saturdays, Sundays, and holidays, for five and one-half weeks. The students also spend part of each day on the wards. *Senior* students, during their surgical quarter, have ward rounds on obstetrics and gynecology on Saturdays at 8:30 a.m. Each *senior* student is required to spend two weeks on service with the Outside Obstetric Training Group at Charlotte, North Carolina. This group is active in the actual antepartum care, in the delivery of the patients, and in the actual postpartum care of patients registered by the Maternity Clinic of that city. The group is under the direction of a trained obstetrician.

Elective courses in the diagnosis and treatment of obstetric and gynecologic conditions are offered for junior and senior students.

Pediatrics

Each *second year* student receives nine hours of instruction in elementary pediatrics during the course in physical diagnosis in the winter quarter. During the quarter of the *junior* year assigned to the specialties, the students are divided into two sub-groups. Each of these attend pediatric ward-rounds at 10:30 a.m. on Mondays, Wednesdays, and Fridays, for eleven weeks, and the pediatric dispensary at 1:30 p.m. daily, except

Saturdays, Sundays, and holidays, for five and one-half weeks. The students also spend part of each day on the pediatric ward. On Saturdays at 10:30 a.m., during the autumn, winter, and spring quarters, and on Mondays at 11:30 a.m. during the summer quarter, the junior and senior students are divided into three groups, each of which systematically reviews the field of pediatrics on ward rounds, but being required to do preliminary reading. *Senior* students during their medical quarter have pediatric ward rounds on Saturdays from 8:30 to 9:30 a.m. *Elective courses.* One or more senior students may do research work in the mornings, and work in the pediatric ward or dispensary one or more mornings per week, according to the time at the students' disposal. Eight senior students, in a preceptorial seminar, may study the literature of pediatrics, at any convenient hour, for one quarter.

Preventive Medicine and Public Health

Clinics, lectures, and demonstrations are held during the autumn, winter, and spring quarters.

CURRICULUM OF THE SCHOOL OF MEDICINE

The usual four medical school years of thirty-three weeks each may be condensed into three years of forty-four weeks each. Four terms of eleven weeks are given each year, and a certificate is granted after the satisfactory completion of twelve terms. These may be taken consecutively (certificate in three calendar years), if the student's previous work has been outstanding, and if he has been given permission by the curriculum committee; or, if he prefers, three terms may be taken each year (certificate in four calendar years). Such a curriculum will affect in no way the courses at any other medical school. If students who have received their first two years of training at other medical schools wish to spend their clinical years at the Duke University School of Medicine, they are eligible in October for the seventh quarter, which corresponds to the beginning of the usual junior class (see page 30).

Twenty-eight per cent of the time in this curriculum is free for elective work, or anything else which the student wishes to do. No credits are given for specific courses during this free

time. The opportunity merely is provided for each student, on his own initiative, to obtain the additional training which he may feel to be necessary or desirable. In the first year, the greatest amount of free time is concentrated in the latter part of the year in order to give the student a more varied curriculum early in his course, and thus enable him to choose elective courses from a wider range of subjects. One quarter has been left entirely free in the hope that many of the students will migrate to other medical schools in this country or abroad for elective work, a practice which is encouraged. The establishment of the four-quarter system at Chicago, Northwestern, Minnesota, and other universities has aided greatly this exchange of students. The students who do not transfer temporarily to other medical schools may utilize their free time in elective courses in pre-clinical and clinical departments, may pursue independent work in any subject, or may do research work. The elective courses have been organized for small groups and will be repeated, if necessary, in one or more quarters. Students who wish to study during the summer quarter, either here or elsewhere, or to spend elective or required quarters at other medical schools, must obtain permission, in advance, from the curriculum committee.

**CURRICULUM OF FOUR QUARTERS OF ELEVEN WEEKS
(429 HOURS) EACH**

(The hours for these courses will be posted on the bulletin board.)

FIRST YEAR

AUTUMN QUARTER (1st) :

October 2 to December 18, 1934; October 3 to December 20,
1935; October 6 to December 22, 1936; October 4 to Decem-
ber 21, 1937.

Anatomy (including histology and neuro-anatomy)	429 hours
Free time	0 Hours

WINTER QUARTER (2nd) :

January 2 to March 21, 1934; January 3 to March 21, 1935;
January 6 to March 21, 1936; January 4 to March 20, 1937.

Anatomy (including histology and neuro-anatomy)	154 Hours
Biochemistry	176 Hours
Free time	99 Hours

SPRING QUARTER (3rd) :

March 26 to June 16, 1934; March 25 to June 15, 1935;
 March 30 to June 20, 1936; March 29 to June 19, 1937.

Physiology and pharmacology, including nutrition	360 Hours
Bacteriology	108 Hours

SUMMER QUARTER (4th) :

June 18 to September 1, 1934; June 17 to August 31, 1935;
 June 22 to September 5, 1936; June 21 to September 4, 1937.

Free time	429 Hours
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SECOND YEAR

AUTUMN QUARTER (5th) :

October 2 to December 18, 1934; October 1 to December 20,
 1935; October 6 to December 22, 1936; October 4 to December
 21, 1937.

Pathology	198 Hours
Bacteriology	11 Hours
Clinical Microscopy	121 Hours
Free time	99 Hours

WINTER QUARTER (6th) :

January 3 to March 21, 1934; January 3 to March 21, 1935;
 January 6 to March 21, 1936; January 4 to March 20, 1937.

Pathology	198 Hours
Physical diagnosis	132 Hours
Preclinical examinations	24 Hours
Free time	75 Hours

SPRING QUARTER (7th) :*

March 26 to June 9, 1934; March 25 to June 8, 1935; March
 30 to June 13, 1936; March 29 to June 12, 1937.

Medicine (junior)	308 Hours
Free time	121 Hours

SUMMER QUARTER (8th) :*

June 18 to September 1, 1934; June 17 to August 31, 1935;
 June 22 to September 5, 1936; June 21 to September 4, 1937.

Surgery (junior)	308 Hours
Free time	121 Hours

THIRD YEAR

AUTUMN QUARTER (9th) :

October 2 to December 18, 1934; October 1 to December 20, 1935; October 6 to December 22, 1936; October 4 to December 21, 1937.

Specialties (junior)	308 Hours
Free time	121 Hours

WINTER QUARTER (10th) :*

January 3 to March 21, 1934; January 3 to March 21, 1935; January 6 to March 21, 1936; January 4 to March 20, 1937.

Medicine (senior)	308 Hours
Free time	121 Hours

SPRING QUARTER (11th) :*

March 26 to June 9, 1934; March 25 to June 8, 1935; March 30 to June 13, 1936; March 29 to June 12, 1937.

Surgery (senior)	308 Hours
Free time	121 Hours

SUMMER QUARTER (12th) :*

June 18 to September 1, 1934; June 17 to August 31, 1935; June 22 to September 5, 1936; June 21 to September 4, 1937.

Specialties (senior)	252 Hours
Final clinical examinations	24 Hours
Free time	153 Hours

SUMMARY

Total number of hours required instruction, (72%)	3,727
Total number of hours of free time, (28%)	1,460
Total number of hours in curriculum, (100%)	5,187

CHANGES FROM THE FOUR-QUARTER SCHEDULE NECESSARY FOR STUDENTS WHO DO NOT ATTEND THE SUMMER QUARTERS

FIRST YEAR:

- Autumn quarter (1st)—No change from schedule.
- Winter quarter (2nd)—No change from schedule.
- Spring quarter (3rd)—No change from schedule.

SECOND YEAR:

- Autumn quarter (4th)—Same as fifth quarter in schedule.
- Winter quarter (5th)—Same as sixth quarter in schedule, except that the preclinical examinations are postponed

to the spring quarter, and the amount of free time increased correspondingly to 99 hours.

Spring quarter (6th)—Same as fourth quarter, except that the pre-clinical examinations are held, and the amount of free time correspondingly decreased to 405 hours.

JUNIOR YEAR:

Autumn quarter (7th)—Same as seventh quarter in schedule.*

Winter quarter (8th)—Same as eighth quarter in schedule.*

Spring quarter (9th)—Same as ninth quarter in schedule.*

SENIOR YEAR:

Autumn quarter (10th)—Same as tenth quarter in schedule.*

Winter quarter (11th)—Same as eleventh quarter in schedule.*

Spring quarter (12th)—Same as twelfth quarter in schedule.*

SCHEDULE OF INSTRUCTION

(The hours for these courses will be posted on the bulletin board.)

In the clinical years, the required instruction in medicine, surgery, obstetrics, gynecology, pediatrics, and other specialties is offered in each of the four quarters. Students may elect the quarters in which they study these subjects, but not more than twenty-five students will be enrolled in surgery or medicine in any one quarter; the names will be accepted in order of application. For elective courses, students are referred to the bulletin board.

During the junior quarter devoted to the specialties, the student group is divided into two sub-groups, each of which in rotation spends approximately five and one-half weeks in obstetrics and gynecology, and pediatrics.

During the senior specialty quarter, the students are divided into sub-groups, each of which spends approximately five and one-half weeks in the following specialties: allergy, syphilis, urology, orthopedics, ophthalmology, otolaryngology, and dentistry. Students who wish to substitute another program must obtain, in advance, permission from the curriculum committee.

* The clinical instruction is repeated each quarter in order to utilize all the clinical material, and to have small groups of students. Consequently, students may vary the order of the seventh, eighth and ninth quarters; and also the order of the tenth, eleventh and twelfth quarters. The above schedule merely illustrates the program for one group.

During the autumn, winter, and spring quarters, the following systematic lectures, clinics, or demonstrations, are given daily at 11:30 a.m. to 12:30 p.m.; medicine and medical specialties, Mondays, Wednesdays, and Saturdays; surgery and surgical specialties, Tuesdays and Fridays; and obstetrics and gynecology, Thursdays. Every Saturday, clinics and demonstrations are held in surgery at 9:30 a.m.; pediatrics at 10:30 a.m.; and medicine at 11:30 a.m. On Wednesdays at 9:30 a.m., psychiatric clinics, and at 5 p.m. clinical-pathological conferences are held.

During the summer quarters, the 11:30 a.m. schedule is: Mondays, pediatrics; Tuesdays and Fridays, surgery; Wednesdays, medicine; and Thursdays, obstetrics and gynecology. Students during the summer quarters, who wish to study during the month of September, can arrange with the head of the department concerned, an equivalent amount of vacation in the months of July and August.

All junior and senior students are expected to attend these clinics, lectures, and conferences, each quarter that they are in residence.

Visiting physicians are welcomed at all these and other clinics, lectures, demonstrations, and operations; and also to the staff ward-rounds in medicine, held on Thursdays at 11 a.m.

FEES AND EXPENSES

All fees for each quarter are due and payable at the beginning of each quarter, and no student will be admitted to classes until these fees have been paid at the university treasurer's office. A fine of \$5.00 is charged for late registration. No credit will be given for any quarter in which the tuition of \$150 has not been paid at the treasurer's office, whether the work has been done here or elsewhere, except: (1) Students who have been given permission by the curriculum committee to spend an elective quarter at a European medical school, or hospital, will have their tuition of \$150 for that quarter remitted, and (2) students who have been permitted by the curriculum committee to spend an elective quarter at another American medical school, or hospital, may subtract the amount of tuition paid at this other medical school, or hospital, from the \$150 due here for that quarter.

Fees and Expenses

Tuition, per quarter	\$150
Room rent, per quarter	50
Board, per quarter*	75
Laundry, per quarter	10 to 20
Books, per quarter	25 to 50
Microscope: At matriculation each student must purchase a modern microscope, preferably through the university ..	102 to 173
Ophthalmoscope and otoscope: Before starting clinical work, each student must purchase this equipment	35 to 50
Athletic fee, admitting students to all athletic contests held on the university grounds, per year	10
Commencement and diploma fees, payable at the beginning of the quarter in which a student is eligible for a degree ..	8
Medical fee	10
Estimated total expenses per quarter (exclusive of clothes, microscope, damage, athletic, medical, commencement and diploma fees, and the fees of \$25 and \$20 for Parts I and II, respectively, of the National Board of Medical Examiners)**	\$312 to 347

* Some of the medical students may obtain rooms in Duke Hospital; the others in the university dormitories. Meals may be had at the Union on the campus. All rooms are provided with furniture, heat, water, electric light, and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows.

** Medical students may study either three or four quarters per year.

ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the university a loan fund for students. In addition, the university administers other endowed loan funds for the benefit of students who are not financially able to meet their expenses. Medical students, after their third quarter, are eligible for loans from these sources. No scholarships are awarded in the school of medicine. The loan funds are administered in accordance with the following regulations:

1. No loan will be made to a student who violates any of the regulations of the university, or whose classwork is not satisfactory to the executive committee.

2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged not later than one week after the beginning of a quarter.

3. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money will be advanced before a note with approved security is in the hands of the Treasurer of the University.

4. Interest at the rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

LIST OF SCHOOL OF MEDICINE STUDENTS

FIRST YEAR STUDENTS

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Raymond DeLacey Adams.....	Portland, Oregon.....	1014 Lamond Ave., Durham, N. C.
<i>University of Oregon.</i>		
Trogler Francis Adkins.....	Durham, N. C.....	2101 Club Blvd., Durham, N. C.
<i>University of North Carolina.</i>		
Francis William Alter, Jr.....	Toledo, Ohio.....	Duke University, House C.
<i>Yale College.</i>		
Gordon Joseph Axelson.....	Chicago, Ill.....	1010 Gloria Ave., Durham, N. C.
<i>University of Virginia.</i>		
Maynard Backer Badanes.....	Flushing, N. Y.....	Duke Hospital
<i>The Johns Hopkins University.</i>		
Bradford Bissell.....	New York, N. Y.....	1807 W. Pettigrew St., Durham, N. C.
<i>Cornell University;</i> <i>University of North Carolina.</i>		
Wilbur Starr Brooks.....	Dunnville, Ont., Can.....	Duke University, House A.
<i>Cornell University;</i> <i>Columbia University.</i>		
Everett Irving Bugg, Jr.....	Durham, N. C.....	Forest Hills, Durham, N. C.
<i>Duke University.</i>		
Julius Caesar Burge, Jr.....	York, S. C.....	Duke University, House C.
<i>The Citadel.</i>		
Margaret Virginia Burns.....	Asheville, N. C.....	Women's Campus, Duke University, Jarvis House
<i>Duke University.</i>		
Peter Paul Chornack.....	Mount Carmel, Pa.....	407 Cook St., Durham, N. C.
<i>Georgetown University;</i> <i>Duke University.</i>		
Raymond E. P. Cunningham..	Bluefield, W. Va.....	Duke University, House C.
<i>Bluefield College.</i>		
Harry Leonard Dein.....	Atlantic City, N. J.....	Duke University, House U.
<i>Duke University.</i>		
Sidney Martin Edwards.....	Fremont, N. C.....	Duke University, House V.
<i>Duke University.</i>		
Ira Chenault Evans.....	Winchester, Ky.....	Duke Hospital
<i>Tennessee Military Institute;</i> <i>University of Kentucky.</i>		
Harry Horton Fisher.....	Auburn, N. Y.....	Duke University, House C.
<i>Syracuse University;</i> <i>Chicago College of Osteopathy.</i>		
Francis Edward Foster.....	Olena, N. Y.....	Duke University, House C.
<i>St. Bonaventures College.</i>		
Robert Carson Fugate.....	Roanoke, Va.....	310 Watts St., Durham, N. C.
<i>Washington and Lee University;</i> <i>Emory and Henry College;</i> <i>Duke University.</i>		
Atticus James Gill.....	Dallas, Texas.....	Duke Hospital
<i>Duke University.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
William Henry Glass.....	Brooklyn, N. Y.....	Duke University, House H.
<i>Furman University.</i>		
Thomas Alphonse Gonder, Jr....	Oakland, Md.....	Duke Hospital
<i>University of Maryland; University of West Virginia.</i>		
Aubrey Crafton Gose.....	Castlewood, Va.....	1025 Gloria Ave., Durham, N. C.
<i>Lincoln Memorial University; Emory and Henry College.</i>		
Cyrus Leighton Gray, Jr.....	High Point, N. C.....	Duke University, House C.
<i>High Point College.</i>		
Charles Edgar Haines, Jr.....	Vincentown, N. J.....	Erwin Apts., Durham, N. C.
<i>Rutgers University; Duke University.</i>		
Ivan Goodrich Hartwell.....	New York, N. Y.....	1603 Duke Univ. Rd., Durham, N. C.
<i>Norwich University.</i>		
Harold Ira Harvey.....	Providence, R. I.....	Duke Hospital
<i>Harvard College.</i>		
Alfred F. Henderson.....	Joliet, Ill.....	Erwin Apts., Durham, N. C.
<i>Joliet Junior College; Duke University.</i>		
Marvin S. Herrington.....	Norfolk, Va.....	Duke University, House B.
<i>Duke University.</i>		
Frederick Harrison Hesser....	Baltimore, Md.....	Duke University, House A.
<i>The Johns Hopkins University.</i>		
Harold Maclachlan Horack....	Durham, N. C.....	Myrtle Drive, Durham, N. C.
<i>Duke University.</i>		
Newton Hornick.....	Brooklyn, N. Y.....	Duke Hospital
<i>Catawba College.</i>		
Jeremiah Wolfe Kerner.....	Jersey City, N. J.....	Duke University, House B.
<i>University of Georgia.</i>		
Thomas DeArman Kinney....	Harrisburg, Pa.....	Duke Hospital
<i>University of Pennsylvania.</i>		
Albert Francis Lee.....	Tacoma, Wash.....	Duke Hospital
<i>University of Washington; College of Puget Sound.</i>		
William Arthur Leff.....	Newark, N. J.....	Duke Hospital
<i>Franklin and Marshall College.</i>		
Jack Burean McGolrick.....	Jamaica, N. Y.....	Duke University, House B.
<i>Columbia College; Duke University.</i>		
Anthony Ralph Marsicano....	Brooklyn, N. Y.....	Duke University, House B.
<i>Long Island University.</i>		
David William Martin.....	West Palm Beach, Fla..	Duke University, House G.
<i>Duke University.</i>		
Oscar Peyton Moffitt, Jr.....	High Point, N. C.....	Duke University, House B.
<i>High Point College; Duke University.</i>		
Frank Richardson Moore.....	Durham, N. C.....	University Drive, Durham, N. C.
<i>Duke University.</i>		
Vince Moseley.....	Orangeburg, S. C.....	Duke University, House A.
<i>Clemson College; Duke University.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Philip Naumoff.....	Pittsburgh, Pa.....	Duke Hospital <i>University of Pittsburgh.</i>
Walter Relfe Newbern.....	Durham, N. C.....	1811 W. Pettigrew St., Durham, N. C.
Richard Elwood Nitschke.....	Rye, N. Y.....	1515 W. Pettigrew St., Durham, N. C.
Charles William Parkison.....	Ossian, Ind.....	817 Broad St., Durham, N. C.
Archibald Hanes Pate.....	Goldsboro, N. C.....	804 Fourth St., Durham, N. C.
Howard Lorenzo Reed.....	Livonia, N. Y.....	Duke University, House B.
Edwin Bradfield Sanger.....	Yukon, Okla.....	Duke Hospital <i>William Jewell College;</i> <i>Oklahoma University.</i>
William Osce Self.....	Ninety Six, S. C.....	1601 Duke Univ. Rd., Durham, N. C.
James Edward Sheehy.....	Syracuse, N. Y.....	Duke University, House A. <i>University of Notre Dame.</i>
Burton Michael Shimmers.....	Dunkirk, N. Y.....	1506 Duke Univ. Rd., Durham, N. C. <i>University of Notre Dame.</i>
William Charles Spring, Jr.....	Glen Ridge, N. J.....	Duke University, House B. <i>University of Wisconsin.</i>
Franz Robert Stenzel.....	Portland, Oregon.....	1016 Sycamore St., Durham, N. C. <i>University of Oregon;</i> <i>College of Puget Sound;</i> <i>Bates College.</i>
Charles Paul Stevick.....	Southern Pines, N. C.....	Duke University, House C. <i>Duke University.</i>
George Taylor, III.....	Wilkinsburg, Pa.....	Duke University, House A. <i>University of Pittsburgh.</i>
Philip Munyan Unsworth.....	Vineland, N. J.....	Duke University, House B. <i>Bob Jones College;</i> <i>Duke University.</i>
Condit Brewer Van Arsdall, Jr.....	Harrodsburg, Ky.....	Duke University, House DD. <i>Kentucky Wesleyan College;</i> <i>University of Kentucky.</i>
James Griffith Whildin.....	Lansford, Pa.....	Duke University, House DD. <i>Duke University.</i>
James Stevenson Wilson.....	Korea, Asia.....	1811 W. Pettigrew St. Durham, N. C. <i>Davidson College.</i>
Wesley Wellington Wilson.....	Tampa, Fla.....	407 Cook St., Durham, N. C. <i>University of Florida;</i> <i>Duke University.</i>

SECOND YEAR STUDENTS

Anthony Charles Adonizio.....	Pittston, Pa.....	Duke Hospital <i>University of Pittsburgh.</i>
George Jay Baylin.....	Baltimore, Md.....	Duke Hospital <i>Johns Hopkins University.</i>

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Edgar Marx Braun.....	Newark, N. J.....	Duke Hospital <i>Daute College;</i> <i>Brown University.</i>
William Henry Bridgers.....	Newport News, Va.	1515 W. Pettigrew St., Durham, N. C.
Frank Woolridge Buckner....	Davidson, N. C....	1518 W. Pettigrew St., <i>Davidson College.</i>
Benjamin Brooks Burrill, Jr....	Bloomfield, N. J.....	Duke Hospital <i>Dartmouth College;</i> <i>Duke University.</i>
Charles Francis Chunn.....	Asheville, N. C.....	Duke Hospital <i>Duke University;</i> <i>Weaver College.</i>
Charles Anthony Collins.....	New York, N. Y.....	Duke Hospital <i>Columbia University.</i>
Gabriel Hernando Cortes.....	Colombia, S. A.....	Duke Hospital <i>University of Michigan;</i> <i>Duke University.</i>
Kenneth John Costich.....	Rochester, N. Y.....	Duke Hospital <i>Holy Cross College.</i>
Charles Cramer.....	New York, N. Y.....	Duke Hospital <i>Columbia University</i>
John Sinclair Denholm.....	Johnstown, Pa.....	Duke Hospital <i>University of Pittsburgh.</i>
Leslie Van Dyke Dill.....	Dover, Delaware.....	Duke Hospital <i>Duke University.</i>
John Watson Edwards.....	Okmulgee, Okla.....	Duke Hospital <i>New Mexico Military Institute;</i> <i>Duke University.</i>
Charles Howard Evans, Jr.....	Syracuse, N. Y.....	Duke Hospital <i>Duke University.</i>
Max Wolff Fischback.....	Brooklyn, N. Y.....	Duke Hospital <i>Catawba College.</i>
Herbert Junius Fox.....	Greensboro, N. C.....	Duke Hospital <i>University of North Carolina;</i> <i>Duke University.</i>
Jack Greenfield.....	Brooklyn, N. Y.....	Duke Hospital <i>Johns Hopkins University.</i>
George Thomas Harrell, Jr....	Asheville, N. C....	1515 W. Pettigrew St., Durham, N. C. <i>Duke University;</i> <i>Johns Hopkins University.</i>
H. Patterson Harris.....	Southport, Conn.....	Duke Hospital <i>Yale College.</i>
Arthur M. Jenkins.....	Dover, N. J.....	Duke Hospital <i>Springfield College;</i> <i>Simpson College.</i>
Roderic Orlando Jones.....	Bradenton, Fla.....	Duke Hospital <i>Johns Hopkins University;</i> <i>John B. Stetson University;</i> <i>Duke University.</i>
William Paul Kavanagh.....	Wheaton, Ill.....	Duke Hospital <i>Wheaton College.</i>

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Frederick Robert Klenner..... <i>St. Vincent College;</i> <i>St. Francis College;</i> <i>Catholic University.</i>	Johnstown, Pa.....	Duke University, House CC.
Donald Feige Marion..... <i>Duke University.</i>	Harrisburg, Pa.....	Duke Hospital
Elijah Eugene Menefee, Jr.... <i>University of Virginia.</i>	Lynchburg, Va.....	Duke Hospital
Arch Sherrod Morrow..... <i>Davidson College.</i>	High Point, N. C.....	Duke Hospital
Philip Brower Parsons..... <i>Duke University.</i>	Wilkes-Barre, Pa....	1200 College Road, Durham, N. C.
Williams Phillips..... <i>Ohio State University.</i>	Cleveland Heights, O...	Duke University, House U.
Michael Theodore Pishko..... <i>University of Pittsburgh.</i>	Monessen, Pa....	1811 W. Pettigrew St., Durham, N. C.
Eli Primack..... <i>Duke University.</i>	Boston, Mass.....	Duke Hospital
Leo Bernard Provinsky..... <i>Grove City College.</i>	Brockway, Pa.....	807 Third St., Durham, N. C.
Edwin Tyson Ricketts..... <i>Georgia School of Technology;</i> <i>Millsaps College;</i> <i>Duke University.</i>	Flushing, N. Y.....	Duke Hospital
William Schulze..... <i>Tulane University;</i> <i>University of Richmond.</i>	Monroe, La.....	Duke Hospital
Ralph Kenneth Shields..... <i>Pennsylvania State College.</i>	Bethlehem, Pa.....	1811 Pettigrew St., Durham, N. C.
William Thornton Spence..... <i>Lafayette College;</i> <i>University of Pennsylvania;</i> <i>Pennsylvania State College;</i> <i>University of Alabama.</i>	Altoona, Pa.....	Duke Hospital
Joseph Blackburn Stevens..... <i>Davidson College.</i>	Kimball, West Va.....	Duke Hospital
Victor Leo Szanton..... <i>University of Alabama.</i>	New York, N. Y.....	Duke Hospital
Robert Hendon Thomason.... <i>Sam Houston Teachers College;</i> <i>Agri. & Mechan. Coll. of Texas;</i> <i>Duke University.</i>	Huntsville, Texas.....	Duke Hospital
Arthur Fred Turner, Jr..... <i>Southern College;</i> <i>Duke University.</i>	Tampa, Fla.....	Duke Hospital
George Irvin Uhde..... <i>Duke University.</i>	Longwood, Pa.....	Duke Hospital
Frederic Monroe Jacob Walp... <i>University of Pennsylvania;</i> <i>Muhlenberg College.</i>	Slatington, Pa.....	Duke University, House G.
Candler Arthur Willis..... <i>Mars Hill College;</i> <i>Duke University.</i>	Candler, N. C.....	Duke Hospital

JUNIOR-SENIOR STUDENTS*

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
John Samuel Baker	Huntington Park, Cal..1114	Eighth Ave., Durham, N. C.
<i>University of Southern California.</i>		
Lenox Dial Baker (12/19/33) .	Texarkana, Texas..	Johns Hopkins Hosp., Baltimore, Md.
<i>University of Tennessee; University of North Carolina.</i>		
Berget Henri Blocksom, Jr. (9/2/33)	Michigan City, Ind.....	Duke Hospital
<i>Indiana University; University of Michigan.</i>		
Julius Boiarsky	Charleston, West Va.....	Duke Hospital
<i>West Virginia University; Ohio State University; Marshall College; medical student, West Virginia University, 1931-1933.</i>		
Oren Douglas Boyce (9/2/33)	Polkton, N. C.....	Jefferson Hospital, Roanoke, Va.
<i>University of North Carolina.</i>		
Earl Winfrey Brian	Camden, Ark....1815 W.	Pettigrew St., Durham, N. C.
<i>Duke University.</i>		
Ernest Bruce Brooks (9/2/33) .	Durham, N. C...Union Memorial Hosp.,	Baltimore, Md.
<i>Duke University.</i>		
Arthur Raymond E. Buirge . . .	Mason City, Iowa..1026 W.	Trinity Ave., Durham, N. C.
<i>Drake University; Duke University.</i>		
John Cole Burwell, Jr. (9/2/33)	Warrenton, N. C...N. Y. Post-graduate	Medical School and Hospital, New York, N. Y.
<i>Duke University; Harvard University.</i>		
James Henderson Cherry (12/19/33)	Asheville, N. C.....	City Hospital, Goldsboro, N. C.
<i>Mars Hill College.</i>		
Milton Carpinter Cobey	Frostburg, Md.....	Duke Hospital
<i>Amherst College.</i>		
Felix Hughes Crago	Wheeling, West Va.....	Duke Hospital
<i>West Virginia University; medical student, ibid., 1931-1933.</i>		
Maurie Bertram Cree	Beaufort, N. C.....	Duke Hospital
<i>Wake Forest College.</i>		
John William Devine, Jr.	Lynchburg, Va.....	Duke Hospital
<i>Washington and Lee University.</i>		
Benjamin George Dinin (9/2/33)	Brooklyn, N. Y.....	Duke Hospital
<i>New York University; University of Alabama.</i>		
Eleanor Beamer Easley (3/21/34)	Durham, N. C.....	Hope Valley, Durham, N. C.
<i>University of Idaho; University of Iowa; George Peabody College; Vanderbilt University.</i>		

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
William Dempsey Farmer..... <i>Duke University.</i>	Bailey, N. C.....	Duke Hospital
Alvis Dare Finch..... <i>Rutherford College; Duke University.</i>	Detroit, Mich.....	Duke Hospital
John Dean Fitzgerald..... <i>Duke University.</i>	Linwood, N. C.....	Duke Hospital
John Stewart Forbes, Jr..... <i>Duke University.</i>	Newark, N. J.....	Duke Hospital
William Nicholas Fortescue... <i>Duke University.</i>	Scranton, N. C....	1506 Duke Univ. Road, Durham, N. C.
William Penn Frazer (9/2/33). <i>Richmond College.</i>	Orange, Va.....	Duke Hospital
Gustave Freeman (9/2/33).... <i>University of Georgia; Brown University; Columbia University.</i>	Athens, Ga.....	Duke Hospital
James Francis Fulp..... <i>Vanderbilt University; Duke University.</i>	Kernersville, N. C.....	Duke Hospital
Ben Henslee Fuqua..... <i>University of Florida.</i>	Palmetto, Fla.....	Duke Hospital
Cole Deane Genge..... <i>Ripon College; Stanford University.</i>	Green Lake, Wis.....	Duke Hospital
Harry-Rolf Germer..... <i>Deutsche Aufbauschule, Weimar; medical student, University of Jena; 1931-1933.</i>	Erfurt, Germany.....	Duke Hospital
Richard Hobart Godwin..... <i>New York University; Duke University, University of Illinois.</i>	Brooklyn, N. Y.....	Duke Hospital
Abner Gorfain..... <i>New York University; University of North Carolina.</i>	Flushing, L. I., N. Y.....	Duke Hospital
Robert Williams Graves (9/2/33)..... <i>Davidson College; Princeton University.</i>	Rome, Ga.....	New Haven Hospital, New Haven, Conn.
Robert Albert Hare..... <i>Ohio State University.</i>	Englewood, N. J.....	Duke Hospital
George Wallace Holmes..... <i>Duke University.</i>	Jamaica, N. Y.....	Duke Hospital
Harry Meyer Holtz..... <i>Ohio State University; Columbia University; Duke University.</i>	Newark, N. J.....	Duke Hospital
Jay Leonard Hutchison (12/19/33)..... <i>Marshall College.</i>	Huntington, West Va....	Duke Hospital
Raymond Taylor Jenkins..... <i>University of North Carolina.</i>	Kinston, N. C.....	Duke Hospital

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
Julia Mary Jones..... <i>Dennison University;</i> <i>Ohio State University.</i>	Dayton, O.....	Nurses' Home
Austin Louis Joyner..... <i>Millsaps College;</i> <i>Tulane University.</i>	New Orleans, La.....	Duke Hospital
Rayburn Nelson Joyner (9/2/33)..... <i>Wake Forest College.</i>	Canton, N. C.	Jackson Duval Co. Hospital Jacksonville, Fla.
Beverley Randolph Kennon, III..... <i>University of Virginia;</i> <i>College of William & Mary.</i>	Norfolk, Va.....	Duke Hospital
Charles Edward Leach..... <i>Johns Hopkins University;</i> <i>Duke University.</i>	Baltimore, Md.....	Duke Hospital
David Washington Lester..... <i>University of Wichita.</i>	Wichita, Kan.....	Duke Hospital
Durward Lee Lovell..... <i>Birmingham-Southern College;</i> <i>medical student, University of</i> <i>Alabama, 1929-1931.</i>	Eden, Ala.....	Duke Hospital
George Kenneth Mahl (3/21/34)..... <i>Ohio State University;</i> <i>Duke University.</i>	Ironton, O.....	Duke Hospital
Samuel Jeremiah Margolin (3/21/34)..... <i>Duke University.</i>	Brooklyn, N. Y.	Jersey City Medical Center, Jersey City, N. J.
George Kemp Massengill, Jr.... <i>Duke University.</i>	Raleigh, N. C.....	Duke Hospital
Bernyrd Carlyse McLawhorn... <i>Furman University.</i>	Greenville, S. C.....	Duke Hospital
Robert Lindsay McMillan (9/2/33)..... <i>Davidson College;</i> <i>University of North Carolina.</i>	Charlotte, N. C.	The University Hospitals of Cleveland, Cleveland, Ohio.
Robert Felton Mikell (12/19/33)..... <i>John B. Stetson University;</i> <i>University of Georgia.</i>	Deland, Fla...	Strong Memorial Hospital, Rochester, N. Y.
Ben Neely Miller..... <i>Duke University.</i>	Hickory Grove, N. C.....	Duke Hospital
Robert McGee Mullen, II..... <i>University of Pittsburgh.</i>	Windber, Pa.....	Duke Hospital
Henry Stokes Munroe, Jr..... <i>Davidson College.</i>	Charlotte, N. C.....	Duke Hospital
Arthur Neumaier..... <i>Columbia University.</i>	Berlin-Wilmersdorf, Germany	Erwin Apts., Durham, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
Carlton Lee Ould..... <i>Roanoke College;</i> <i>Duke University.</i>	Roanoke, Va.....	Duke Hospital
Francis Leroy Owens..... <i>University of Pittsburgh.</i>	Cresson, Pa.....	Duke Hospital
Daniel Jack Pachman..... <i>New York University;</i> <i>University of North Carolina.</i>	Brooklyn, N. Y.....	Duke Hospital
Edward Frost Parker, Jr. (9/2/33).....	Charleston, S. C.	Strong Memorial Hospital, Rochester, N. Y.
Talmage Lee Peele..... <i>Duke University;</i> <i>medical student,</i> <i>Vanderbilt University, 1929-1931.</i>	Raleigh, N. C.	Duke Hospital
Marion Timothy Plyler, Jr. (12/19/33).....	Durham, N. C.....	1415 Gregson St., Durham, N. C.
John Fairman Preston, Jr..... <i>Davidson College.</i>	Soonchun, Korea, Asia	1815 W. Pettigrew St., Durham, N. C.
Robert Harry Pudenz..... <i>University of Dayton.</i>	Cincinnati, Ohio.....	Duke Hospital
Richard Zimri Query, Jr..... <i>Davidson College.</i>	Charlotte, N. C.....	Duke Hospital
Raymond Hamilton Ralston.... <i>State Teachers College;</i> <i>Geneva College.</i>	Keisters, Pa.....	403 Cook St., Durham, N. C.
Lester Paul Rasmussen..... <i>Snow College;</i> <i>University of Utah;</i> <i>medical student, ibid., 1931-1933.</i>	Mt. Pleasant, Utah.....	Duke Hospital
Paul Gerhard Reque (9/2/33) ..	Brooklyn, N. Y.....	Duke Hospital
Louis Carroll Roberts (9/2/33) .	Shelby, N. C.....	Duke Hospital
Dennis Hardesty Robinson.... <i>West Virginia University;</i> <i>medical student, ibid., 1929-1931.</i>	Morgantown, W. Va.....	Forest Hills, Durham, N. C.
Frank Hurd Robinson, Jr..... <i>University of Michigan.</i>	Hornell, N. Y.....	Duke Hospital
Kenneth Brown Rothey (12/19/33).....	Lock No. 3, Pa. <i>University of Pittsburgh;</i> <i>medical student,</i> <i>West Virginia University, 1929-1931.</i>	Fitkin Memorial Hospital, Neptune, N. J.
Nathan Ruby (9/2/33)..... <i>New York University;</i> <i>University of Virginia.</i>	Newark, N. J.....	Sinai Hospital, Baltimore, Md.
Edwin Macrae Rucker..... <i>Randolph-Macon College.</i>	Richmond, Va.....	Duke Hospital

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
Louis John Saxe..... <i>John Carroll University; Duke University.</i>	Durham, N. C.....	818 Third St. Durham, N. C.
Eugene Nestor Scadron..... <i>Dartmouth College; Yale University.</i>	New York, N. Y.....	Duke Hospital
Ralph Ernest Schmidt..... <i>University of Pittsburgh.</i>	Wesleyville, Pa.....	Duke Hospital
Sylvan Strong Scholpp..... <i>Yale University; University of Chicago.</i>	Hutchinson, Minn.....	819 Third St., Durham, N. C.
Walter Eugene Sharpe, Jr..... <i>Duke University.</i>	Burlington, N. C.....	Duke Hospital
Irving Michael Siegel..... <i>Lehigh University.</i>	New York, N. Y.....	Duke Hospital
Albert Randall Smith (3/21/34)..... <i>University of Wisconsin; medical student, ibid., 1930-1932.</i>	Seattle, Wash.....	403 Cook St., Durham, N. C.
John Goodrich Smith..... <i>University of North Carolina.</i>	Scotland Neck, N. C.....	Duke Hospital
Glenn Emory Stayer..... <i>University of Pittsburgh; Columbia University.</i>	Tampa, Fla.....	Duke Hospital
Robert Boyd Stith, Jr..... <i>Duke University.</i>	Mullins, S. C.....	Duke Hospital
Benj. Anderson Strickland, Jr. (12/19/33)..... <i>Mars Hill College; Wake Forest College.</i>	Whitakers, N. C.....	Woman's Hospital, Baltimore, Md.
Abraham Jack Tarmenbaum... <i>Ohio State University; Duke University.</i>	Paterson, N. J.....	Duke Hospital
Waller Littlepage Taylor, Jr. (9/2/33)..... <i>Duke University.</i>	Stovall, N. C.....	St. Vincent's Hospital, Norfolk, Va.
Myron Cherrington Waddell (12/19/33)..... <i>Nebraska Wesleyan University; St. Louis University; medical student, ibid., 1929-1931.</i>	Indianola, Neb.....	Presbyterian Hospital, Denver, Colo.
Thomas Wilson Wesson..... <i>University of Mississippi.</i>	Salttillo, Miss.....	Duke Hospital
Millard Brown White..... <i>University of Florida; Duke University.</i>	Bradenton, Fla.....	Duke Hospital
Jarrett Earl William (9/2/33).. <i>Emory & Henry College.</i>	Alvin, Texas.....	Duke Hospital
James Raymond Wilson..... <i>University of Alabama; Harvard College.</i>	North Adams, Mass.....	Duke Hospital

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
William Joseph Wirth.....	Allentown, Pa.....	Duke Hospital <i>Lafayette College.</i>
Charles Terry Wood.....	Newport News, Va.....	Duke Hospital <i>Furman University;</i> <i>University of Michigan.</i>

GRADUATES

1932*

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Internship</i>
Carlton Noble Adams (3/19/32).....	Wilson's Mills, N. C. <i>Wake Forest College;</i> <i>medical student, ibid., 1928-1930.</i>	Church Home & Infirmary, Baltimore, Md.
Lacy Allen Andrew, Jr. (6/11/32).....	Greensboro, N. C..... <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Watts Hospital, Durham, N. C.
Jay Morris Arena (3/19/32).....	Clarksburg, W. Va..... <i>West Virginia University,</i> <i>medical student, ibid., 1928-1930.</i>	Duke Hospital, Durham, N. C.
John Valentine Blady (3/19/32).....	Cudahy, Wis..... <i>University of Wisconsin;</i> <i>medical student, ibid., 1926-1927,</i> <i>1928-1929.</i>	Temple Univ. Hospital, Philadelphia, Pa.
Ned Ornell Bowman (3/19/32).....	Berea, Ky... <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Middlesex General Hospital, New Brunswick, N. J.
Bennie Booker Dalton (6/11/32).....	Red Springs, N. C... <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Wassaic State School, Wassaic, N. Y.
Rudolph John Depner (3/19/32).....	Woonsocket, R. I. <i>Rhode Island State College;</i> <i>University of Missouri;</i> <i>medical student, ibid., 1928-1930.</i>	Exeter School for Mental Defectives, Exeter, R. I.
Elbert Newton DuPuy (3/19/32).....	Beckley, W. Va., Baltimore City Hospitals, <i>University of West Virginia;</i> <i>medical student, ibid., 1928-1930.</i>	Baltimore, Md.
William Lorenz Haltom (3/19/32).....	Jonesboro, Ark.... <i>Hendrix College;</i> <i>University of Alabama;</i> <i>medical student, ibid., 1928-1930.</i>	Presbyterian Hospital, Chicago, Ill.
George Heinitsh (3/19/32).....	Spartanburg, S. C..... <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Duke Hospital, Durham, N. C.

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Internship</i>
George William Joyner (6/11/32)..... <i>Wake Forest College;</i> <i>medical student, ibid., 1928-1930.</i>	Denniston, Va.....	Duke Hospital, Durham, N. C.
John Fletcher Lovejoy (6/11/32)..... <i>Emory University;</i> <i>medical student, University of</i> <i>Alabama, 1928-1930.</i>	Decatur, Ga.....	Shriners Hospital, Springfield, Mass.
E. Noel Walker Robbins (6/11/32)..... <i>Queens College;</i> <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Charlotte, N. C.....	Barrett Laboratory Charlotte, N. C.
Ralph Richards Stevenson (3/19/32)..... <i>University of Utah;</i> <i>medical student, ibid., 1928-1930.</i>	Salt Lake City, Utah	Baltimore City Hospitals, Baltimore, Md.
Thaddeus Gilbert Upchurch (3/19/32)..... <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Apex, N. C...	Grady Memorial Hospital, Atlanta, Ga.
Needham Edgar Ward, Jr. (3/19/32)..... <i>Wake Forest College;</i> <i>University of Texas;</i> <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Chapel Hill, N. C.....	Watts Hospital, Durham, N. C.
Walter Raphael Wiley (6/11/32)..... <i>Wake Forest College;</i> <i>medical student, ibid., 1928-1930.</i>	Monroe, N. C.....	Wassaic State School, Wassaic, N. Y.
William Edgar Wilkinson (6/11/32)..... <i>Davidson College;</i> <i>medical student, University of</i> <i>North Carolina, 1928-1930.</i>	Ridgeville, N. C.....	Duke Hospital, Durham, N. C.

GRADUATES

1933*

Gerald Lyon Ackerman (3/22/33)..... <i>Washington & Jefferson College;</i> <i>medical student, West Virginia</i> <i>University, 1929-1931.</i>	Saginaw, Mich.	Church Home and Infirmary, Baltimore, Md.
Jasper Lamar Callaway (12/21/32)..... <i>University of Alabama;</i> <i>medical student, ibid., 1929-1931.</i>	Clanton, Ala.....	Duke Hospital
Martin Edward Conti (3/22/33)..... <i>West Virginia University;</i> <i>medical student, ibid., 1929-1931.</i>	Youngstown, Ohio.....	Watts Hospital, Durham, N. C.

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Internship</i>
William Howard Darden (12/21/32)	Northport, Ala.	Northwestern Hospital, Minneapolis, Minn.
<i>Univ. city of Alabama; medical student, ibid., 1929-1931.</i>		
Grant Lester Donnelly (6/10/33)	Chapel Hill, N. C.	Department of Pharmacology, Univ. of North Carolina.
<i>Duke University; University of Chicago; medical student, University of North Carolina, 1927-1930.</i>		
Raymond John Duffy (6/10/33)	Wheeling, West Va.	Boston Psychopathic Hospital Boston, Mass.
<i>University of Pittsburgh; West Virginia University; University, 1929-1931.</i>		
Jerome Gaskel (3/22/33)	Williamston, West Va.	Cincinnati General Hospital Cincinnati, Ohio.
<i>West Virginia University; medical student, ibid., 1929-1931.</i>		
Charles Houston Gay (3/22/33)	Charlotte, N. C.	New Haven Hospital, New Haven, Conn.
<i>Duke University; medical student, University of North Carolina, 1929-1931.</i>		
Walter Thalman Hasler, Jr. (3/22/33)	Provo, Utah.	Church Home & Infirmary, Baltimore, Md.
<i>Brigham Young University, medical student, University of Utah, 1929-1931.</i>		
Charles Mattox Kendrick (6/10/33)	Fallston, N. C.	Wheeling Hospital, Wheeling, W. Va.
<i>Duke University; medical student, University of North Carolina, 1929-1931.</i>		
Orrin Frank Kleckner (12/21/32)	Buffalo, N. Y.	Millard Fillmore Hospital, Buffalo, N. Y.
<i>University of Buffalo; Duke University; medical student, Vanderbilt University, 1929-1931.</i>		
Gerald Clellan Lewis (3/22/33)	Sloans Valley, Ky.	Pasadena Hospital, Pasadena, Calif.
<i>Berea College; Carson-Newman College; medical student, University of Tennessee, 1929-1931.</i>		
Charles Francis Montgomery (3/22/33)	California, Pa.	Henry Ford Hospital, Detroit, Mich.
<i>Drury College; University of Missouri; medical student, ibid., 1929-1931.</i>		
William Julian Weatherford (3/22/33)	Uriah, Ala.	Watts Hospital, Durham, N. C.
<i>University of Alabama; medical student, ibid., 1929-1931.</i>		

* The date after a name indicates the time of completion of the medical course.

FORMER RESIDENT STAFF OF DUKE HOSPITAL

Medicine

- ROWLAND THOMPSON BELLOWS, Ph.B., M.D., *Interne*, July 1, 1930-June 30, 1931; present address, Strong Memorial Hospital, Rochester, N. Y.
- JAMES LOUDEN BORLAND, A.B., M.D., *Interne*, September 1, 1932-August 31, 1933; present address, Riverside Hospital, Jacksonville, Fla.
- HERMAN HARRISON BRAXTON, A.B., M.D., *Interne*, September 1, 1932-August 31, 1933; present address, White Plains Hospital, White Plains, N. Y.
- ROYALL MANN CALDER, A.B., M.D., *Assistant Resident*, October 15, 1930-June 30, 1932; *Resident in Medicine*, July 1, 1932-June 30, 1933; present address, Duke Hospital.
- EMIL BOGOMIR CEKADA, S.B., D.Sc., M.D., *Assistant Resident*, September 10, 1930-August 31, 1932; present address, Watts Hospital, Durham, N. C.
- GRANT OSTRANDER GRAVES, A.B., M.A., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, University Hospital, Columbus, Ohio.
- HARRY GILMAN HUDNALL, B.S., M.D., *Interne*, September 1, 1931-August 31, 1932; present address, Cleveland Clinic, Cleveland, Ohio.
- JOHN FLETCHER LOVEJOY, B.S., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Shriners Hospital, Springfield, Mass.
- THOMAS P. MAGILL, A.B., M.D., *Interne*, July 1, 1930-June 30, 1931; present address, Baltimore City Hospitals, Baltimore, Md.
- WALTER BREM MAYER, A.B., M.D., *Assistant Resident*, August 15, 1931-August 15, 1932; present address, Nalle Clinic, Charlotte, N. C.
- DICKINSON SERGEANT PEPPER, M.D., *Interne*, July 1, 1932-June 30, 1933; present address, University of Pennsylvania Hospitals, Philadelphia, Pa.
- ELBERT LAPSLEY PERSONS, A.B., M.D., *Resident*, September 1, 1930-June 30, 1932; present address, Duke Hospital.
- PAUL WILLIAM PREU, B.S., M.D., *Interne*, July 1, 1931-June 30, 1932; present address, Institute of Human Relations, Yale University, New Haven, Conn.
- FREDERICK MILLER REESE, A.B., M.D., *Interne*, September 1, 1931-August 31, 1932; present address, The Johns Hopkins Hospital, Baltimore, Md.
- E. NOEL WALKER ROBBINS, A.B., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Barrett Laboratory, Charlotte, N. C.
- RUTH ELOISE SMITH, A.B., M.A., M.D., *Interne*, September 1, 1930-June 30, 1931; *Assistant Resident*, July 1, 1931-June 30, 1932; present address, Clifton Springs Sanitarium and Clinic, Clifton Springs, N. Y.

JEROME THEDA SYVERTON, A.B., M.D., *Interne*, July 1, 1931-June 30, 1932; *Assistant Resident*, August 3, 1932-August 31, 1932; present address, Rockefeller Institute, New York, N. Y.

Surgery

WILLIAM BUCKINGHAM ARMSTRONG, M.D., *Interne*, September 1, 1931-August 31, 1932; present address, Manhattan Eye, Ear and Throat Hospital, New York, N. Y.

WALTER WARNER BAKER, A.B., M.D., *Assistant Resident*, October 1, 1930-June 30, 1932; present address, The Johns Hopkins Hospital, Baltimore, Md.

ROWLAND THOMPSON BELLOWS, Ph.B., M.D., *Interne*, July 1, 1931-June 30, 1932; present address, Strong Memorial Hospital, Rochester, N. Y.

JOHN VALENTINE BLADY, B.S., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Temple University Hospital, Philadelphia, Pa.

CLARENCE ELLSWORTH GARDNER, A.B., M.D., *Resident*, July 1, 1930-June 30, 1932; present address, Duke Hospital.

RUTH GORHAM GRIESEMER, A.B., M.D., *Interne*, September 25, 1930-June 30, 1931; present address, India.

WILLIAM LORENZ HALTON, A.B., B.S., M.S., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Presbyterian Hospital, Chicago, Ill.

THOMAS FORD HUEY, JR., A.B., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Michael Reese Hospital, Chicago, Ill.

ROBERT RANDOLPH JONES, JR., A.B., M.D., *Assistant Resident*, July 1, 1930-June 30, 1932; *Resident*, July 1, 1932-June 30, 1933; present address, Duke Hospital.

HERSHAL C. LENNON, B.S., M.D., *Interne*, July 1, 1931-June 30, 1932; present address, Pineland College Infirmary, Salemburg, N. C.

GEORGE DUNLAP LILLY, A.B., M.D., *Interne*, July 1, 1931-June 30, 1932; present address, New Orleans, La.

WALTER EUGENE MATTHEWS, A.B., M.D., *Assistant Resident*, July 1, 1931-June 30, 1932; present address, Strong Memorial Hospital, Rochester, N. Y.

PAUL KERMIT PERKINS, A.B., M.D., *Interne*, April 1, 1930-June 30, 1931; present address, U. S. Navy Medical Corps.

ARTHUR JEROME PRESENT, B.A., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Strong Memorial Hospital, Rochester, N. Y.

ROBERT JAMES RUARK, A.B., M.D., *Interne*, July 1, 1931-June 30, 1932; present address, Strong Memorial Hospital, Rochester, N. Y.

Obstetrics and Gynecology

SAUL LEIGHTON AVNER, B.S., M.D., *Assistant Resident*, January 1, 1931-June 30, 1931; *Resident*, July 1, 1931-June 30, 1932; present address, 1st Lieut., Medical Corps, Swan Quarter, N. C.

JOSEPH PATRICK DONNELLY, A.B., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Margaret Hague Maternity Center, Jersey City, N. J.

ADAM TYREE FINCH, JR., B.S., M.D., *Assistant Resident*, July 1, 1932-June 30, 1933; present address, Chase City, Va.

BEVERLEY KENNON PETER, B.A., M.D., *Interne*, July 1, 1931-June 30, 1932; present address, University of Virginia Hospital, University, Va.

Pediatrics

LAWRENCE LINCOLN BEAL, A.B., M.D., *Assistant Resident*, July 1, 1932-June 30, 1933; present address, Woman's Hospital, Baltimore, Md.

JOHN FAVER CASON, A.B., M.D., *Interne*, July 1, 1932-June 30, 1933; present address, Murfreesboro, Tenn.

GLENN E. HARRISON, M.D., *Resident*, July 1, 1931-November 30, 1931; present address, Park Clinic Hospital, Mason City, Iowa.

ANNE LOUISE LAWTON, A.B., M.D., *Assistant Resident*, September 1, 1931-November 30, 1931; *Resident*, December 1, 1931-June 30, 1932; present address, Emma Pendleton Bradley Hospital, East Providence, R. I.

SARAH VANCE THOMPSON, A.B., M.D., *Interne*, September 1, 1931-June 30, 1932; present address, Child Guidance Clinic, Philadelphia, Pa.

Roentgenology

ELBERT DWIGHT APPLE, B.S., M.D., *Assistant Resident*, June 1, 1931-June 30, 1932; *Resident*, July 1, 1932-May 31, 1933; present address, Wesley Long Hospital, Greensboro, N. C.

Pathology

HERSHAL C. LENNON, B.S., M.D., *Assistant Resident*, September 1, 1932-June 30, 1933; present address, Pineland College Infirmary, Salemburg, N. C.

Duke Diagnostic Clinic

JOHN MOSES SARTIN, M.D., *Fellow*, November 9, 1931-January 1, 1932; present address, St. Joseph's Hospital, Mishawaka, Indiana.

STUDENTS BY CLASSES

	<i>First year</i>	<i>Second year</i>	<i>Junior-Senior</i>	<i>Total</i>
1930	52	0	18	70
1931	63	46	36	145
1932	50	60	55	165
1933	60	43	90	193

**INSTITUTIONS AT WHICH THE MEDICAL STUDENTS
WERE PREPARED**

Agri. and Mechan. College		Kentucky, University of	1
of Texas	1	Kentucky Wesleyan College ..	1
Alabama, University of	6	Lafayette College	2
Amherst College	1	Lehigh University	1
Bates College	1	Long Island University	1
Berea College	1	Marshall College	2
Birmingham Southern College	1	Mars Hill College	3
Bluefield College	1	Maryland, University of	1
Brown University	2	Michigan, University of	3
Carson Newman College	1	Milsaps College	2
Catawba College	2	Minnesota, University of	1
Catholic University	1	Mississippi, University of	1
Citadel, The	1	Missouri, University of	1
Clemson College	1	Muhlenberg College	1
Columbia University	7	Nebraska Wesleyan University	1
Cornell University	2	New Hampshire, University of	1
Dana College	1	New Mexico Military Institute	1
Dartmouth College	2	New York, College of the	
Davidson College	11	City of	1
Dayton, University of	1	New York University	6
Denison University	1	North Carolina State College ..	2
Deutsche Aufbauschule,		North Carolina, University of	9
Weimar, Germany	1	North Dakota, University of..	1
Drake University	1	Northwestern University	2
Duke University	69	Notre Dame, University of ...	2
Emory & Henry College	3	Norwich University	1
Florida, University of	3	Ohio State University	7
Franklin & Marshall College ..	1	Oklahoma University	1
Furman University	4	Oregon, University of	2
Geneva College	1	Pennsylvania State College ...	3
George Peabody College	1	Pennsylvania, University of ...	2
Georgetown University	1	Pittsburgh, University of	10
Georgia School of Technology	1	Princeton University	1
Georgia, University of	3	Puget Sound, College of	2
Grove City College	1	Randolph-Macon College	1
Harvard College	3	Richmond College	2
High Point College.....	2	Ripon College	1
Holy Cross College	1	Roanoke College	1
Idaho, University of	1	Rutgers University	1
Illinois, University of	1	Rutherford College	1
Indiana, University of	1	Sam Houston Teachers College	1
Iowa, University of	2	Simpson College	1
John B. Stetson University ...	2	Snow College	1
John Carroll University	1	South Carolina, University of .	1
Johns Hopkins University	6	Southern College	1
Joliet Junior College	1	Springfield College	1

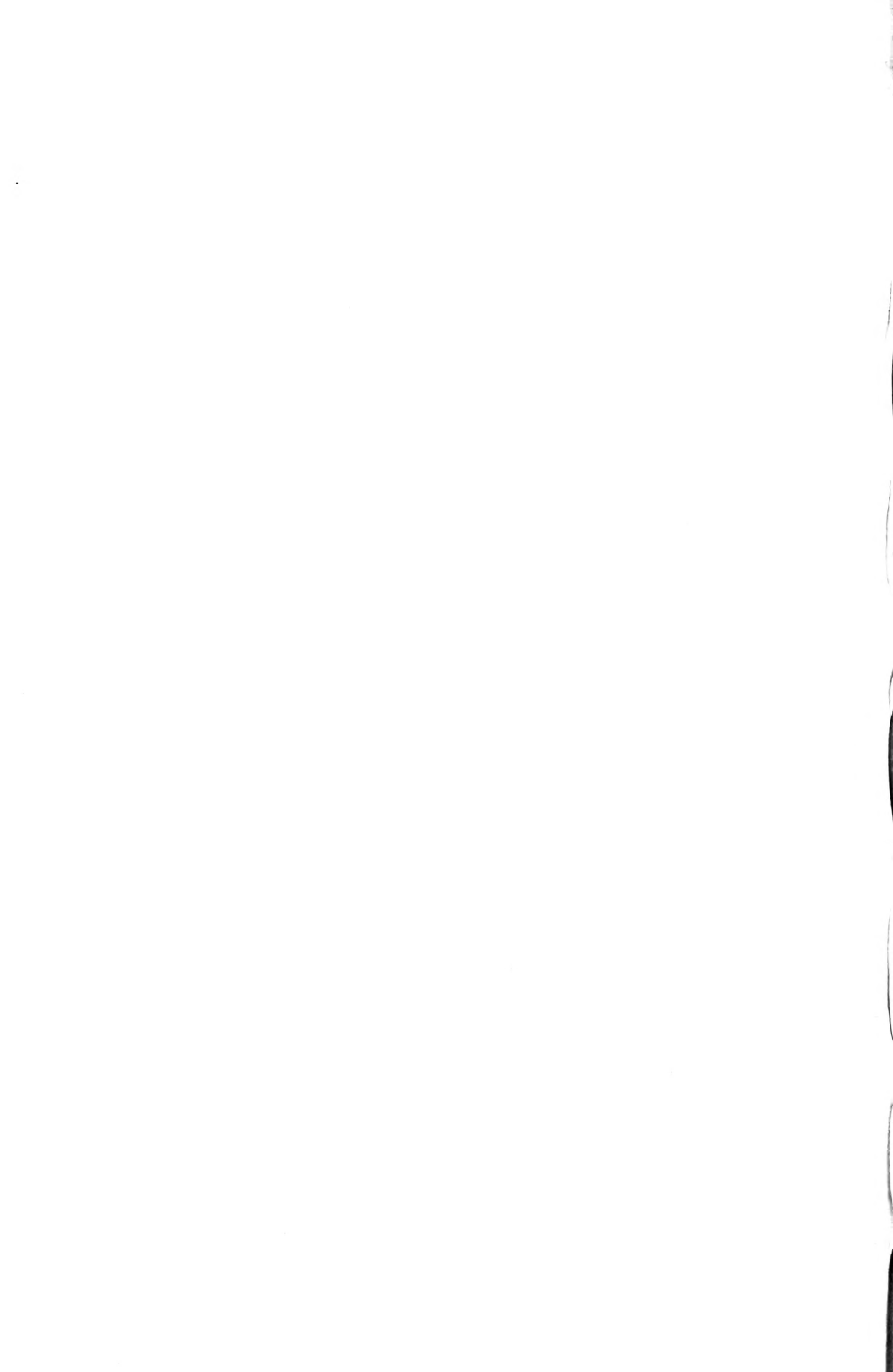
Stanford University	1	Wake Forest College	2
St. Bonaventure's College	1	Washington, University of	1
St. Francis College	1	Washington & Lee University	2
St. Louis University	1	Weaver College	1
St. Vincent College	1	West Virginia University	4
State Teachers College, Tennessee	1	Wheaton College	1
Syracuse University	2	Wichita, University of	1
Tennessee, University of	2	William Jewell College	2
Tulane University	2	William & Mary, College of ..	1
Vanderbilt University	2	Wisconsin, University of	2
Virginia, University of	4	Yale University	3

STATES IN WHICH THE MEDICAL STUDENTS WERE BORN

Alabama	2	New Jersey	8
Arkansas	1	New York	28
Connecticut	1	North Carolina	31
Delaware	1	North Dakota	1
District of Columbia	1	Ohio	4
Florida	2	Oklahoma	2
Georgia	3	Oregon	1
Idaho	1	Pennsylvania	15
Illinois	2	South Carolina	8
Indiana	2	Tennessee	4
Iowa	3	Texas	5
Kansas	1	Utah	1
Kentucky	3	Vermont	1
Louisiana	1	Virginia	7
Maryland	6	Washington	2
Massachusetts	2	West Virginia	4
Mississippi	1	Wisconsin	2
Missouri	1		

Foreign Countries

Alsace	1	Germany	1
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Brazil	1	Mexico	1
Canada	1	Scotland	1



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BULLETIN
OF
DUKE UNIVERSITY
THE SCHOOL OF NURSING



1934

DURHAM, NORTH CAROLINA

1934

SCHOOL OF NURSING AND HOSPITAL CALENDAR 1934-1935

1934

January 3 (Wednesday)—Registration of students, and winter quarter begins.

February 22 (Thursday)—Washington's birthday (holiday).

March 21 (Wednesday)—Winter quarter ends.

March 26 (Monday)—Registration of students, and spring quarter begins.

June 6 (Wednesday)—Commencement.

June 9 (Saturday)—Spring quarter ends.

June 18 (Monday)—Registration of students, and summer quarter begins.

July 4 (Wednesday)—Independence Day (holiday).

September 1 (Saturday)—Summer quarter ends.

October 1 (Monday)—Registration of students, and autumn quarter begins.

November 29 (Thursday)—Thanksgiving Day (holiday).

December 18 (Tuesday)—Autumn quarter ends.

1935

January 3 (Thursday)—Registration of students, and winter quarter begins.

February 22 (Friday)—Washington's birthday (holiday).

March 21 (Thursday)—Winter quarter ends.

March 25 (Monday)—Registration of students, and summer quarter begins.

June 5 (Wednesday)—Commencement.

June 8 (Saturday)—Spring quarter ends.

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FORREST DRAPER McCREA, B.S., M.S., Ph.D.

Associate Professor of Physiology and Pharmacology

B.S., Purdue, 1918; M.S., Illinois, 1923; Ph.D., Wisconsin, 1927; Instr. in Physiol., Illinois Med. Sch. 1920-1923; Inst. in Physiol., Wisconsin Med. Sch., 1923-1927; Ass't Prof. of Physiol. and Pharmacol., Georgia Med. Coll., 1927-1929; Sr. Inst. in Physiol., Western Reserve Med. Sch., 1929-1930.

BAYARD CARTER, A.B., B.A., M.A., M.D.

Professor of Obstetrics and Gynecology

A.B., University of Delaware, 1920; B.A. and M.A. Oxford University, Oxford, 1923 and 1932; M.D., Johns Hopkins University, 1925; staff of New Haven Hospital and Yale Medical School, 1925-1929; Associate Professor of Obstetrics and Gynecology, and head of department, University of Virginia Medical Department, 1929-1931; Obstetrician and Gynecologist, Duke Hospital, 1931—.

ALFRED RIVES SHANDS, JR., B.A., M.D.

Associate Professor of Surgery in Charge of Orthopedics

B.A. and M.D., University of Virginia, 1918 and 1922; Internc, Assistant Resident and Resident in Orthopedic Surgery, Johns Hopkins Hospital, 1924-1927; Instructor in Orthopedic Surgery, Johns Hopkins Medical School, 1926-1927; Instructor in Orthopedics, George Washington University Medical School, Attending Orthopedic Surgeon, four hospitals, Washington, D. C., 1927-1930; Orthopedist, Duke Hospital, 1930—.

EDWIN PASCAL ALYEA, S.B., M.D.

Associate Professor of Surgery in Charge of Urology

S.B., Princeton University, 1919; M.D., Johns Hopkins University, 1923; Interne in Medicine; Interne and Assistant Resident in Surgery; Assistant Resident and Resident in Urology, Johns Hopkins Hospital, 1923-1929; Assistant, Instructor in Surgery and Instructor in Urology, Johns Hopkins Medical School, 1925-1930; Urologist, Duke Hospital, 1929—.

ROBERT RANDOLPH JONES, JR., A.B., M.D.

Instructor in Surgery

A.B., Davidson College, Davidson, N. C., 1924; M.D., Johns Hopkins University, 1928; Interne in Medicine, Strong Memorial Hospital, Rochester, N. Y., 1928-1929; Interne in Surgery, Johns Hopkins Hospital, 1929-1930; Assistant Resident and Resident in Surgery, Duke Hospital, 1930—.

SHELDON PAYNE, B.S., M.D.

Instructor in Medicine

B.S., and M.D., Yale, 1928 and 1931; Int. Santa Barbara Cottage Hospital, 1931-1932; Ass't Resident in Biochemistry, Duke Hospital, 1932.

ANGUS MURDOCH McBRYDE, B.S., M.D.

Assistant Professor of Pediatrics

B.S., Davidson College, 1924; M.D., University of Pennsylvania Medical School, 1928; Interne and Resident in Pediatrics, University of Pennsylvania Hospital, 1928-1930; Assistant Resident in Pediatrics, The Johns Hopkins Hospital, 1930-1931; Instructor in Pediatrics, Duke Hospital, 1931-1932.

FRANCIS WALTHOUR PORRO, B.S., M.D.

Instructor in Pathology

B.S., University of Chicago, 1926; M.D., Rush Medical School, 1929; Interne, Lutheran Deaconess Hospital, 1928-1929; Instructor in Pharmacology, Medical College of the State of South Carolina, 1929-1930; Assistant Pathologist, Duke Hospital, 1931—.

WILLIAM BANKS ANDERSON, A.B., M.D.

Assistant Professor of Otolaryngology

A.B., Univ. of North Carolina, 1920; M.D., Johns Hopkins, 1924; Int., Union Memorial Hospital, Baltimore, 1924-1925; Int., Massachusetts Eye and Ear Infirmary, 1925-1927; Ophthalmologist, Duke Hospital, 1930—.

WATT WEEMS EAGLE, A.B., M.D.

Associate Professor of Surgery in charge of Otolaryngology

A.B., Univ. of North Carolina, 1918; M.D., Johns Hopkins, 1925; Int., Church Home and Infirmary, Baltimore, 1925-1926; Int. Ass't Res. and Res. in Laryngol., Johns Hopkins Hospital, 1926-1929; Ass't Instr. in Laryngol., Johns Hopkins Med. Sch., 1927-1930; Otolaryngologist, Duke Hospital, 1929—.

DONALD STOVER MARTIN, A.B., M.D.

Instructor in Bacteriology

A.B., Johns Hopkins, 1925; M.D., Rochester, 1930; Int. in Ped., Strong Mem. Hosp., 1930-1931; Ass't in Physiol. and Ass't in Bact., Rochester Med. Sch., 1926-1927 and 1931-1932; Associate Bacteriologist, Duke Hospital, 1932—.

VIRGINIA GEARHART GRAY, A.B., A.M., Ph.D.

Instructor in English

A.B., Goucher College, Baltimore, Md., 1924; A.M., Ph.D., University of Wisconsin, Madison, Wis., 1925-1927; Research Secretary, Medical History Committee, Louisiana State Medical Society, 1928-1930; Instructor in English, Duke University Hospital, 1930—.

MARGARET EDGECOMBE CARTER, A.B.

Physiotherapist

A.B., Lake Erie College, Painesville, Ohio, 1931; Post Graduate work in Physical Education and Physiotherapy, Lake Erie College, 1932.

MABEL PAGE GORDON, A.B.

Physiotherapist

A.B., Duke University, 1932; Physiotherapy Certificate, Washington School of Physical Education, Washington, D. C., 1933.

SENA K. PETERSEN, R.N.

Assistant to the Dean

Diploma, University of Minnesota School of Nursing, 1926; University of Minnesota Hospital, Practical Nursing Supervisor, 1927; Charles T. Miller Hospital, St. Paul, Assistant to Superintendent of Nurses, 1927-1932, Duke University School of Nursing, Assistant to the Dean, 1932—.

MARIE A. MEHELLICK, R.N., B.S.

Instructor in Principles and Practice of Nursing

B.S. with Educational Major, University of Minnesota, 1931; Diploma, University of Minnesota, 1931.

WALBORG S. WAYNE, R.N.

Supervisor of Nursing Service

Diploma, University of Minnesota School of Nursing, 1928; Head Nurse on Men's Surgical Ward, General Hospital, Minneapolis, Minn., Feb. 1929-Dec. 1929; Night Supervisor of Contagious Department, General Hospital, Minneapolis, Minn., Dec. 1929-Nov. 1930; Night Supervisor of Contagion and Pediatrics, General Hospital, Minneapolis, Minn., Nov. 1930-Aug. 1931; Assistant Night Supervisor, Duke Hospital, Aug. 1931—.

AUGUSTA LAXTON, R.N., B.S.

Supervisor of Night Service

B.S., Florida State College for Women, 1921; Diploma, Johns Hopkins Hospital School of Nursing, 1926; District Nurse, Charlotte, Coöperative Nursing Association, Charlotte, N. C., 1928-1930.

EDITH HINVES, R.N.

Supervisor of Nursing Service in Dispensary

Diploma, Johns Hopkins Hospital School of Nursing, 1923; Head Nurse Operating Room, Johns Hopkins Hospital, 1923-1925; Ass't Supervisor Operating Room, Johns Hopkins Hospital, 1925-1926; Ass't Supervisor Dispensary, Johns Hopkins Hospital, 1925-1927; Operating Room Supervisor and Part-time Instructor, Palmerton Hospital, Palmerton, Pa., 1927-1933.

MARION FRANCES BATCHELDOR, R.N.

*Instructor in Operating Room Technique**Supervisor of the Operating Room*

Diploma, Peter Bent Brigham Hospital School of Nursing, 1920; Head Nurse and Supervisor of Operating Room, Peter Bent Brigham Hospital, 1921-1923 and 1923-1927; Head Nurse, Operating Room, Johns Hopkins Hospital, 1927-1930

ASSISTANT SUPERVISORS AND HEAD NURSES

JULIA ELIZABETH WHITE, A.B., R.N.

Assistant Supervisor of Night Service

A.B., Newberry College, Newberry, S. C., 1927; Diploma, Johns Hopkins Hospital School of Nursing, 1930; Head Nurse, Assistant Night Supervisor, Night Supervisor, Harriet Lane Home, Johns Hopkins Hospital, 1930-1932.

CREDITH LOY, R.N.

Assistant Supervisor of the Operating Room

Diploma, Univ. of Kansas School of Nursing, 1926; Post Graduate work, Johns Hopkins Hospital, April-Sept. 1927; Surgical Supervisor, Univ. of Kansas Hospital, 1927-1929; Second Ass't Surgical Supervisor, Ass't Surgical Supervisor, Johns Hopkins Hospital, 1929-1932; Ass't Surgical Supervisor, St. Luke's Hospital, Cleveland, O., Feb. 1933-Sept. 1933.

MILDRED SHERWOOD, R.N.

Head Nurse on Pediatric Ward

Diploma, Mount Sinai Hospital, New York City, 1923; Head Nurse, Mount Sinai Hospital, 1923-1926; Head Nurse, Johns Hopkins Hospital, Baltimore, Md., 1926-1930.

MYRTLE E. LEWIS, A.B., R.N.

Head Nurse on Obstetrical and Gynecological Ward

A.B., Milton College, Milton, Wis.; Diploma, Battle Creek College School of Nursing, 1928; Post Graduate work, Chicago Lying-In Hospital, Feb.-June 1932; Relief School Nurse, Battle Creek, Mich., Feb.-April 1928; Instructor in Hydrotherapy and Head Nurse, Cook County Hospital, Chicago, 1928-1929; Teaching Supervisor in Psychiatric Nursing and Ass't Supervisor, Cook County Hospital, 1929-1930; Night Supervisor, Muhlenberg Hospital, Plainfield, N. J., Feb.-Sept. 1930; Instr. of Science, Muhlenberg Hospital, Sept. 1930-Jan. 1932; Educational Director, Chicago Lying-In Hospital, 1932-1933.

PAULINE FLETCHER, R.N.

Head Nurse on Private Medical and Surgical Ward

Diploma, University of Minnesota School of Nursing, 1932; Post Graduate work, Univ. of Minnesota, June-Aug. 1932; Ass't Instructor in Practical Nursing, April-Oct. 1932; Ass't Head Nurse of Surgical Ward, Charge Nurse in Dispensary, Univ. of Minnesota Hospital, Oct. 1932-Aug. 1933.

MARION McMAHON, R.N.

Head Nurse on Women's Surgical Ward

Diploma, St. Luke's Hospital, Duluth, Minnesota, 1930; Assistant to Supervisor of Obstetrics, St. Luke's Hospital, Jan. 1931-Sept. 1931.

NELL LUTHER, R.N.

Head Nurse on Men's Surgical Ward

Diploma, Biltmore Hospital, Biltmore, N. C., 1919; Head Nurse, Biltmore Hospital, 1924; Office Ass't, Asheville, N. C., 1926-1930; Private Duty, Asheville, N. C. and Greenwood, S. C., 1930.

ELIZABETH C. CARTER, R.N.

Head Nurse on Women's Medical Ward

Diploma, Petersburg General Hospital, Petersburg, Va., 1922; Supervisor of Medical and Surgical Ward, Baltimore City Hospital, 1926-1927; Supervisor of Female Medical Ward, Louisville City Hospital, 1927-1928; General Duty, Willard Parker Hospital, New York City, 1928-1929; Assistant and Charge Nurse of Medical and Surgical Ward, Henry Ford Hospital, Detroit, Michigan, 1930.

HANNAH M. BINHAMMER, R.N.

Head Nurse on Men's Medical Ward

Diploma, University of Michigan School of Nursing, 1921; Post Graduate work, Cook County Hospital, Chicago, 9 months; General duty, Ford Hospital, Detroit, Michigan, 1923-1924; Ass't. Supervisor of Out Patient Department, University Hospital, Ann Arbor, Michigan, 1925-1930.

ARDEAN C. EVERETT, R.N.

Head Nurse on Medical and Surgical Colored Ward

Diploma, Philadelphia General Hospital, 1928; Head Nurse of Pediatrics, Post Graduate School of Medicine of University of Pennsylvania, 1928-1930; Head Nurse of Men's Medical Ward, Post Graduate School of Medicine of University of Pennsylvania, 1930-1931; Head Nurse of Private Surgical Ward, Geneva General Hospital, Geneva, N. Y., 1932-1933.

MAY BRYANT, R.N.

Head Nurse on Men's Surgical Ward

Diploma, Presbyterian Hospital School of Nursing, Chicago, Ill., 1928; Private Duty, 1928-1930; Head Nurse Women's Surgical Ward, Presbyterian Hospital, 1930-1933; Examining Room, Presbyterian Hospital, March, 1933-September, 1933.

THE SCHOOL OF NURSING

GENERAL INFORMATION

The School of Nursing of Duke University was established in 1925 in connection with the School of Medicine of the University and Duke Hospital through the munificent gift of the late James B. Duke.

The plan of the School is to give a sound basic course in Nursing Education which will prepare young women to give intelligent nursing care to the sick in hospitals and homes of the community as well as an introduction to the problems of community health and preventive medicine.

ORGANIZATION

The administration of the School is conducted largely through the three committees as follows:

The Standards Committee (see page 4) decides all matters of educational policy and general conduct of the School of Nursing.

The Student Work Committee (see page 4) meets the incoming students at registration, determines the policies for the individual student, interviews the students at regular periods concerning theoretical and practical work, and makes recommendations for further continuance or withdrawal from the School.

The Advisory Committee (see page 4) is concerned with the expenditures of the School of Nursing.

FACILITIES FOR INSTRUCTION

The facilities for instruction include the undergraduate colleges of the University, the School of Medicine, and the Duke Hospital. Students of the School of Nursing are admitted on the same basis as other students of the University.

LIBRARIES

The reference library of books and periodicals of special interest to students majoring in nursing is located in the Hos-

pital Library. The student may use the general libraries on both campuses.

RESIDENCE

The students are housed in the new steel construction, fire-proof residence located near the Hospital. It is adequately equipped with blankets and linen, making further provision by the student unnecessary.

HEALTH REGULATIONS AND PHYSICAL EDUCATION

The School has general supervision of the student's health. All students are required to pass a physical examination upon admission to the School of Nursing and at periods thereafter, a final examination being given at the end of the course. The usual tests and vaccinations are required. Exercise for two periods a week during the first two quarters is required of all students taking the three-year course. Students in the five-year course meet the full requirements of the Woman's College during their freshman and sophomore years.

ACTIVITIES OFFERED

Autumn Quarter—(October to December) Hockey, swimming, tennis, riding, moderate sports, and hiking.

Winter Quarter—(January to March) Informal gymnastics, Danish gymnastics, apparatus, games, individual gymnastics, folk dancing, clogging, interpretative dancing, swimming, and basketball.

Spring Quarter—(March to June) Tennis, swimming, riding, baseball, track field events, and archery.

ADMISSION REQUIREMENTS

An application form may be obtained by writing to the Dean, Duke University School of Nursing, Durham, N. C. The application should be submitted as early as possible in the year in which the applicant desires admission to the School. The applicant will be notified whether she has been accepted or declined; if accepted, the student must send a deposit of \$25 within two weeks to insure her enrollment. This money will be applied toward the tuition. Classes are admitted in September of each year. Students entering in September, 1934, are required to matriculate at the School of Nursing on September 25, 1934.

The entrance requirements are intelligence, character, and graduation from an accepted high school. The course leading to the Diploma of Graduate Nurse consists of three years of eleven months each. The preferable age for students is between eighteen and thirty years.

The degree of Bachelor of Science in Nursing also is offered to those who have completed successfully two years of college work (60 semester-hours) in Duke University or another acceptable college or university in addition to the three-year course leading to the Diploma of Graduate Nurse in Duke University School of Nursing. The sixty semester-hours may be completed either before or after the three-year course in the School of Nursing. Those who contemplate studying for this degree should write to the Dean of the School of Nursing for advice in regard to the required course of study.

EXPENSES

The balance of the tuition fee of one hundred dollars yearly is payable upon the day of admission, and at the beginning of each succeeding year of the three-year course. There will be no expense for room, board, and laundry during the pre-clinical or clinical periods. Textbooks and uniforms are furnished. There are no scholarships or loan funds in the School of Nursing. In the five-year course, leading to the Diploma of Nursing and the B.S. degree, the expense of the two years of college work is borne by the student. The above regulations regarding tuition, board, uniforms, and textbooks apply only when the student is in residence in the School of Nursing.

WITHDRAWAL

Students in any class are admitted on the understanding that only those will be advanced who, in the opinion of the Standards Committee, give promise of being a credit to themselves and the School. At intervals the Standards Committee reviews the records of all students, and those whose progress has been unsatisfactory may be advised to leave the School.

READMISSION

Students who are absent for more than one month through illness or leave of absence will be readmitted the following year

at a time at which the class or clinical schedule can be adjusted to their needs.

THE THREE-YEAR COURSE

Each year is divided into four quarters of three months each. For the student entering in September there is a vacation of two weeks between the first and second quarters at Christmas, the remaining two weeks' vacation for that year are given during the summer months. A three months' vacation will be allowed during the three years. Vacations may not be limited to the summer, but may be assigned at any time during the year. This may be necessary to insure the most effective correlation of theory and practice.

The instruction in the three-year program, while necessarily less extensive than in the five-year program, is no less thorough. The technical courses which have to do with bedside care are identical for both programs.

DESCRIPTION OF THE COURSE OF STUDY

ANATOMY

This course consists of lectures, freely illustrated by blackboard drawings, and lantern-slide projections; of laboratory work, consisting of a study of dissections and microscopic sections; and of lectures and demonstrations of the histology of tissues and organs and the developmental stages in so far as such study is helpful in understanding the structure of the body.

DR. HOLLINSHEAD, MISS GARDINER

PHYSIOLOGY

The functions of the tissues, organs, and systems are closely correlated with the study of the structure of the body. Physiological processes of interest to the nurse are stressed by lectures, recitations, and demonstrations.

DR. BERNHEIM, DR. MCCRAE, MISS GARDINER

CHEMISTRY

The aim of this course is to prepare the student for the application of chemistry to nutrition, and the simpler chemical diagnostic tests. The lectures are supplemented by typical laboratory experiments and discussion of the elements of inorganic chemistry. Particular emphasis is laid upon relationships rather than upon isolated facts. The facts of chemistry of the carbon compounds are treated with their relationship to the chief types of food stuff. The chemical principles involved in digestion, in absorption, and in the metabolism of fats, proteins, carbohydrates are studied in relationship to future work.

DR. TAYLOR, MISS GARDINER

BACTERIOLOGY

A study of the microscopic organisms with special attention to the fundamental principles of sanitary science; the relation of pathogenic organisms to the prevention, spread, and control of communicable disease. Laboratory experiments deal with practical nursing problems.

DR. MARTIN, MISS GARDINER

PATHOLOGY

A study of the principle causes leading to disease; the nature of disease processes; and the importance of the various methods of clinical diagnosis. An understanding of diagnostic measures allows the student to appreciate the need of careful observation of symptoms, care in preparation of specimens, and intelligence in the giving of treatments. Lectures, demonstrations, and discussion.

DR. PORRO, MISS GARDINER

ENGLISH

English I, II.—During the first quarter emphasis is placed upon grammar and composition. In the second quarter the course includes a general survey of American literature and special references to the literature of interest within the medical and nursing profession.

MRS. GRAY

HYGIENE

Personal Hygiene.—This course gives the student the fundamental laws of health with relation to the teaching function of the nurse; emphasis is laid upon the importance of health and the development of a rational attitude towards the whole question of health preservation and disease prevention.

MISS GARDINER

Posture.—The student is taught the mechanical use of her body, and special exercises are stressed which tend toward muscular development. Emphasis is given to corrective gymnastics through laboratory study of faulty posture, deviation of the spine, and weak feet.

MISS CARTER

Preventive Medicine and Public Health.—The course is designed to give the student an understanding of Public Health Nursing in its relation to the modern health program. It includes the history and principles of Public Health Nursing; problems in special fields, i.e., tuberculosis, infant welfare; case work and the technique of home visiting, the keeping of records and problems of administration. It also deals with the principles of sanitary science, and the application of these principles to water, food supply, and disposal of sewage and garbage.

DR. EPPERSON AND ASSISTANTS, MISS GARDINER

MEDICINE

Medical Diseases and Medical Nursing.—The course is designed to present a general survey of the field of medicine and metabolism, including etiology, pathology, symptoms, complications, treatment of disease. Emphasis also is laid upon prevention and special nursing care of each disease.

DR. PAYNE, MISS HINVES

Communicable Diseases.—Lectures and clinics deal with communicable diseases, modes of transmission, general symptomatology. Complications and prevention are emphasized. Classes and demonstrations of nursing procedure follow the lectures.

DR. MCBRYDE, MISS GARDINER

Dermatology.—The course reviews the anatomy of the skin and outlines its pathology. It includes a description of the more common skin diseases, their prevention, treatment and control, and related nursing procedures.

DR. PERSONS, MISS GARDINER

Special Therapeutics.—Within this group of lectures and nursing demonstrations are to be found those dealing with x-ray, dental hygiene, allergy, and basal metabolism.

X-ray.—The course consists of lectures, demonstrations of machines, exhibitions of films illustrating the therapeutic value of the x-ray and radium, and a discussion of the nursing procedures related to the treatments.

DR. REEVES, MISS GARDINER

Dental Hygiene.—Lectures and demonstrations are given on the principles underlying dentition, the care of the normal mouth, the etiology, symptoms, and treatment of the more common surgical and medical conditions relative to the mouth, and methods of prevention and nursing care.

DR. McCUTCHEON, MISS GARDINER

Allergy.—The student is instructed in the more recent data concerning the many idiosyncrasies.

DR. HANSEN, MISS GARDINER

Basal Metabolism.—These lectures are given to insure an understanding of the principles and uses of basal metabolism.

DR. JOHNSTON, MISS GARDINER

NURSING

History of Nursing.—The course consists of lectures, recitations, lantern slides, and collateral reading covering the growth and development of nursing from the earliest ages to the present time. Its aim is to arouse interest, to enable the student to appreciate the obstacles that have been overcome in nursing, and to give her a survey of the field she has chosen.

MISS GARDINER

Principles and Practice of Nursing, Elementary.—In this course are presented the underlying principles and practice of the elementary nursing procedures as they are related to the care of the patient. Demonstrations and practice develop the skill and technique of the student.

MISS MEHELICK

Principles and Practice of Nursing, Advanced.—This course follows the elementary course and includes the more advanced procedures after the student has had some experience in caring for patients. All procedures in both courses are demonstrated and practiced in the classroom, and carried out under supervision in the wards.

MISS MEHELICK

Bandaging.—The course includes the principles and technique of bandaging. The student is given demonstrations and practice.

MISS MEHELICK

Ethics.—The ethical relations of the student to the school and its personnel, to the patient, the hospital, and community are discussed, so that she may meet the problems of the nursing profession.

MISS BAKER

Hospital Economics.—A study is made of hospital construction and equipment as related to the efficiency of service, interior furnishings and finishings, heat and ventilating systems, lighting and plumbing systems, cleaning processes, disposal of garbage and waste, refrigeration and air conditioning, the purpose and plan of the laundry, linen and sewing rooms.

MISS GARDINER

Case Study.—The aim is to give an appreciation of the relation of the patient to his social background, a detailed study of the symptoms, treatment, medical and nursing care. The ward practice is correlated with classroom teaching. The interpretation of signs and symptoms is encouraged, the growth of the scientific attitude is fostered, and the actual nursing care is improved by stimulating a keener interest in the individual care of the patient.

MISS GARDINER

Senior Demonstrations.—The course includes a review of former demonstrations of nursing procedures and gives an opportunity to incorporate the newer methods which have been adopted.

MISS MEHELICK

Professional Problems.—Problems which will be presented to the student after graduation are discussed with the aim of awakening professional interest, and providing knowledge of professional activities.

MISS BAKER

Senior Seminar.—Subjects allied to nursing of particular interest or inspiration to the graduating class are discussed.

MISS GARDINER

NUTRITION

Nutrition and Cookery.—This course includes the principles and methods of simple cookery for well and ill individuals, nutritive value of food, arrangement of a balanced diet for patients of varying needs, and the physiological processes of digestion and metabolism.

MRS. MARTIN

Diet in Disease.—In this course the modifications of the normal well balanced diet are presented, as well as the application of these modifications in the treatment of disease due to abnormal conditions of metabolism, and the preparation and serving of such diets.

MRS. MARTIN

OBSTETRICS AND GYNECOLOGY

Gynecology and Gynecological Nursing.—The medical and surgical aspects of gynecological diseases, the pathology of the pelvis, operations and treatments are presented. Classes follow the lectures with demonstrations and discussion.

DR. CARTER AND ASSISTANTS, MISS LEWIS

Obstetrics and Obstetrical Nursing.—The physiological aspect of pregnancy, labor and the puerperium, the care of the newborn are taught, and special emphasis is placed upon the social aspect of the obstetrical work. The lectures are followed with clinics and nursing procedures.

DR. CARTER AND ASSISTANTS, MISS LEWIS

PEDIATRICS

Pediatrics and Pediatric Nursing.—The normal child is studied, and also the diseases affecting infants and children, their treatment, nursing care and prevention. Lecture periods are followed by demonstrations.

DR. MCBRYDE, MISS SHERWOOD

PHARMACOLOGY

Elementary Pharmacology.—This course includes the study of the systems of measurement, signs, symbols and rules governing the administration of drugs, and the source and use of the common antiseptics and disinfectants. Practice in preparation of solutions and forms form an introduction to further study of materia medica and therapeutics.

MISS GARDINER

Materia Medica, Advanced.—The course is a continuation of the elementary course. The pharmacological action of drugs and remedial agents are studied. Attention is directed to the group as a whole rather than a detailed study of separate drugs. Specific facts concerning individual drugs are studied only as they have a direct bearing upon the practical work of the nurse.

MISS GARDINER

PHYSIOTHERAPY

Physiotherapy.—The history of massage, nomenclature and fundamental principles, the physiological effects and therapeutic uses, and the principles involved in hydrotherapy and actionotherapy are studied.

MISS GORDON

PSYCHOLOGY

Psychology.—The course consists of lectures on and class discussions of the fundamental principles underlying human conduct, together with an understanding of normal and ill individuals. The nature and value of instincts, emotions, and the development of personality are discussed. The student is given a better understanding of individual differences in dealing with people in general, and with the patient in particular.

DR. LUNDHOLM

Mental Hygiene.—An attempt is made to aid the student in making the necessary adjustments to her new environment, and to recognize her own personal needs, as well as to interpret the underlying principles of psychology of the behavior of the individuals with whom she is associated.

MISS GARDINER

Neurology and Psychiatry.—The aim of this course is to teach the relationship of mental and physical illness, to provide an understanding of the causes of mental disease and disturbances, and to emphasize the more important considerations in the modern treatment and nursing of these diseases.

MISS GARDINER

SURGERY

General Surgical Diseases and Surgical Nursing.—The aim is to give the student a practical understanding of the cause, symptoms, prevention and treatment of the surgical conditions; to assist the surgeon efficiently; and to be able to act promptly and wisely in emergencies. Classes and demonstrations in nursing care follow the lectures.

DR. JONES, MISS MCMAHON

Orthopedics.—The course consists of lectures on the more common orthopedic conditions. The principal treatments and nursing care are emphasized and the use, application of appliances, plaster casts, splints and braces are demonstrated.

DR. SHANDS, MISS GARDINER

Urology.—The course includes lectures on urological diseases and conditions, and the principal treatments and nursing care are emphasized.

DR. ALYEA, MISS GARDINER

OPERATING TECHNIQUE

This series of lectures and demonstrations deals with the organization and administration of an operating-room service, its equipment and technique, instruction in making, sterilizing and use of supplies, care of instruments and appliances, principles and practice of asepsis and antiseptics, preparation for operations, and the routine of assisting at operations.

MISS BATCHELDER

OTOLOGY, RHINOLOGY AND LARYNGOLOGY

The aim is to give an understanding of the care of the normal ear, nose and throat, their diseases, the preoperative and postoperative care, and the nursing procedures related to them.

DR. EAGLE, MISS GARDINER

OPHTHALMOLOGY

The anatomy and physiology of the eye, injuries and diseases of the eye with their causes, symptoms, and treatment, and the related nursing procedures are taught.

DR. ANDERSON, MISS GARDINER

SOCIAL SERVICE

The historical background for the appreciation of social work is presented, and the social and economic factors concerning the patient's condition are emphasized.

Excursions are made to local institutions to obtain a better understanding of these problems.

MR. STANLEY AND ASSISTANTS, MISS GARDINER

SCHEDULE OF CURRICULUM—THREE-YEAR COURSE

FIRST YEAR

<i>Autumn Quarter</i>				<i>Winter Quarter</i>			
Hours				Hours			
	Lect.			Lect.			
	Class	Lab.	Total	Class	Lab.	Total	
Anatomy	33	77	110	Principles and			
Physiology	22		22	Practice of			
Chemistry	33	22	55	Nursing, Elem.	34	56	90
History of				Psychology	22		22
Nursing	33		33	Materia Medica	33		33
Bacteriology	22	22	44	Nutrition &			
Pharmacology,				Cookery	22	22	44
Elem.	22	11	33	Hospital			
Personal				Economics	11		11
Hygiene	22		22	Ethics	11		11
English I	33		33	Case Study	11	11	22
Posture		11	11	English	33		33
	<hr/>	<hr/>	<hr/>		<hr/>	<hr/>	<hr/>
	220	143	363		177	89	266
 <i>Spring Quarter</i>				 <i>Summer Quarter</i>			
Hours				Vacation			
	Lect.			..... 2 weeks			
	Class	Lab.	Total	Ward Practice			
				.... 8 hours daily			
Principles and							
Practice of							
Nursing	33	33	66				
Bandaging	3	8	11				
Physiotherapy	4	12	16				
	<hr/>	<hr/>	<hr/>				
	40	53	93				

SECOND YEAR

<i>Autumn Quarter</i>			<i>Winter Quarter</i>		
Hours			Hours		
Lect.	Class	Total	Lect.	Class	Total
Pathology	22	22	Gynecology	22	22
Medicine	33	33	Orthopedics	22	22
Surgery	33	33	Urology	22	22
Diet in Disease	44	44	Operating		
	—	—	Technique	11	11
	132	132	Special		
			Therapeutics	22	22
				—	—
				99	99
<i>Spring Quarter</i>			<i>Summer Quarter</i>		
Hours			Hours		
Lect.	Class	Total	Vacation	4 weeks	
Communicable			Ward Practice	8 hours daily	
Diseases	33	33			
Mental Hygiene	22	22			
Ear, Nose,					
Throat	22	22			
	—	—			
	77	77			

THIRD YEAR

<i>Autumn Quarter</i>			<i>Winter Quarter</i>		
Hours			Hours		
Lect.,	Class	Hours	Lect.,	Class	Hours
Obstetrics	44	44	Psychiatry	44	44
Pediatrics	44	44	Eye	22	22
	—	—	Skin	11	11
	88	88	Senior Demonstrations	11	11
				—	—
				88	88
<i>Spring Quarter</i>			<i>Summer Quarter</i>		
Hours			Hours		
Lect.,	Class	Hours	Vacation	4 weeks	
Professional Problems	22	22	Ward Practice	8 hours daily	
Preventive Medicine and					
Public Health	22	22			
Social Service	22	22			
Senior Seminar	11	11			
	—	—			
	77	77			

Clinical Experience After the First Six Months		Months
Medical Wards		6
Surgical Wards		6½
Diet Kitchen		1½
Gynecological Nursing		2
Operating Room		3
Out Patient Clinics		1
Private Wards		1
Obstetrical Department		3
Pediatrics Department		3
		27

In addition there is a preparatory period of six months and a vacation period of three months making a total of thirty-six months.

THE FIVE-YEAR COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE AND GRADUATE IN NURSING

Major Advisers

BESSIE BAKER, *Dean*

ANN HENSHAW GARDINER

In order to meet the needs of the student, the five-year course leading to the degree of bachelor of science in nursing and graduate in nursing has been planned in two groups.

In the first group the course is for the students completing two years of college work before entering the School of Nursing.

Group two is for students who plan to complete their two years of college work following their nursing education.

Whenever possible, we suggest that the student elect the five-year course, taking the two years of college work preceding the three years in the School of Nursing. Conferences may be planned to give the student a better understanding of the field she has chosen.

GROUP I

The aim is to give the student in her first two years, an introduction to the general cultural subjects which we considered fundamental and to give her a better foundation in the science of nursing.

FIRST YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
English, 1	3	English, 2	3
Language	3	Language	3
Chemistry, 1	4	Chemistry, 2	4
Zoölogy, 1	4	Zoölogy, 2	4
Mathematics, 3	3	Mathematics	3
	17		17
Physical Education			
Nursing Conference			

SECOND YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
English, 3/5	3	English, 4/6	3
Language	3	Language	3
History, 1-5	3	History, 2-52	3
Economics, 51	3	Economics, 52	3
Psychology, 101	3	Education, 58	3
	15		52
Physical Education			
Nursing Conference			

GROUP II

In this group, the student enters the School of Nursing for three years and upon the completion of her nursing education enters the university to fulfill the following requirements leading to the degree of bachelor of science in nursing and graduate in nursing.

The students will be required to complete sixty (60) semester-hours, thirty (30) of which must be in the work approved for seniors.

She must complete eighteen to twenty-four (18-24) semester-hours in a major subject either in the division of Mathematics, Psychology or Natural Science. The work in this division must not total more than thirty (30) semester-hours.

The total of thirty (30) semester-hours will also be required in the divisions of the Humanities, Social Science and History.

At least twelve (12) semester-hours in each of these divisions will be required of the student.

Students will be allowed to take a maximum of six (6) semester-hours of freshman work for credit. They must also meet the university requirements concerning quality points.

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Vol. 6

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No. 2

THE SUMMER SCHOOL



1934

FIRST TERM: JUNE 8 - JULY 19

SECOND TERM: JUNE 29 - AUGUST 10

THIRD TERM: JULY 21 - AUGUST 31

ANNOUNCEMENT

JUNALUSKA SUMMER SCHOOL, INC.

(AFFILIATED WITH DUKE UNIVERSITY)

AND

JUNALUSKA SCHOOL OF RELIGION

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1934



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- ALSTON, AUGUSTA MICHAELS; A.B., Duke; DRAWING (Durham City Schools).
- HOBBS, MARCUS EDWIN; A.B., Duke; Duke, 1932-34; ASSISTANT IN CHEMISTRY (Duke University).

- MASON, MARY LOCHER; Diploma in Fine Arts, Teachers College, Columbia; DRAWING (Durham City Schools).
- MILLER, WILLIAM TAYLOR, JR.; A.B., Duke; Duke, 1932-34; ASSISTANT IN CHEMISTRY (Duke University).
- SHANKLE, HERBERT LAZELLE; A.B., A.M., Duke; Duke, 1932-34; ASSISTANT IN CHEMISTRY (Duke University).
- TWADDELL, VERA CARR; A.B., Duke; MUSIC (Supervisor of Music, Durham County Schools).
- WAITE, ALEX; A.B., University of South Carolina; Duke, 1931-32; PHYSICAL EDUCATION (Duke University).
- WHITENFISH, ABE IRVING; A.B., University of Richmond; A.M., Duke; Duke, 1933-34; ASSISTANT IN CHEMISTRY (Duke University).
- WILSON, LLOYD BAIN; A.B., A.M., Duke; ASSISTANT IN BOTANY (Harnett County Public Schools).

DUKE UNIVERSITY SUMMER SCHOOL

Duke University, located at Durham, North Carolina, comprises Trinity College, the Woman's College, the Graduate School of Arts and Sciences, the Schools of Religion, Law, Medicine, and Nursing, and the Departments of Education and Engineering. Forty-two states of the Union and several nations are represented in the student body of more than 2,800, not including the enrollment in the Summer Schools. The latter was 1,527 in 1933.

The University goes back in its origin to 1835, when Union Institute was founded in Randolph County by the Methodists and Friends. In 1851 the institution became Normal College, being one of the first institutions in America for the training of teachers. In 1859 the name was changed to Trinity College and so continued until 1924, when the college became a part of Duke University.

JAMES B. DUKE'S GIFT

The expansion resulted from a provision in an indenture of trust, executed December 11, 1924, by James Buchanan Duke, by virtue of which a fortune was placed by him at the disposal of humanity through provisions for hospitalization, church work in the rural districts, and education, the principal feature of the latter being the provision for Duke University. Previous to the indenture, Mr. Duke himself, his father Mr. Washington Duke, and his brother Mr. Benjamin N. Duke, had for many years been the chief benefactors of the institution.

RAPID GROWTH OF THE SUMMER SCHOOL

Trinity College, which in 1925 expanded into Duke University, conducted its first summer school in 1919. The growth of the school has been not only rapid but steady since that time. In 1919 there were enrolled eighty-eight students of college grade, of whom sixty-five were teachers. In the summer of 1933 there was a total of 1,832 registrations in Duke University and affiliated schools. Of these, 964 students enrolled in

the first term of Duke University Summer School, and 552 the second term; 164 were enrolled in the Junaluska Summer School, Inc., at Lake Junaluska; 35 were enrolled in the Junaluska School of Religion; and 106 were enrolled in the Medical School and School of Nursing. Deducting from the total number of registrations those who registered for two terms, there were 1,527 students enrolled for either six or twelve weeks in the summer of 1933.

A noteworthy feature of the 1933 enrollment was the large number of graduate students, of whom there were 484 the first term and 275 the second, admitted on the basis of Bachelor's degrees from 159 different colleges and universities. The total enrollment for the summer was drawn from thirty-seven states and ten foreign countries, the larger enrollments being from North Carolina, Pennsylvania, Georgia, Virginia, West Virginia, Florida, South Carolina, New York, Mississippi, Tennessee, Maryland, New Jersey, Kentucky, Alabama, and Ohio, in the order named. Public school teachers from twenty-three states were included in the total.

CAMPUSES AND BUILDINGS

The University is located on two campuses. The Woman's College campus, with its 108 acres of ground, was formerly the campus of Trinity College. About a mile and a half away is the campus of the new units of the University, consisting of approximately 5,100 acres. The new campus, also known as the West Campus, will be used for the summer of 1934. Dormitories, laboratories, classroom buildings, auditorium, administration building, and the buildings of the professional schools are all conveniently grouped around the quadrangle dominated by the great Gothic chapel. On one corner immediately beyond the chapel is the main library, the largest in the Southeast. Opposite the library is the Union, center of student activities, one of the most complete buildings of its kind to be found in American institutions. In it are housed practically all the facilities needed in the general day-by-day round of student life, including a large social lobby, reading room, information office, alumni and news service headquarters, four dining rooms, reception rooms, headquarters for various student organizations,

the government postoffice, the university store, a complete haberdashery, and a barber shop.

CALENDAR AND REGISTRATION: THREE TERMS

In 1934 for the first time the summer school will operate a mid-summer term, making it possible for students to enter June 8, June 29, or July 21. This arrangement should prove to be of especial advantage to teachers in public schools that do not close until after the first of June, and to college students who desire a brief vacation before beginning their summer work. The first term of summer school will close July 19, the second term August 10, and the third term August 31. Students desiring to work for twelve weeks should enroll for the first and third terms. All Mondays except June 18, July 9, and August 27 are holidays. July 4 will be observed as Independence Day.

For the first term, Saturday, June 2, 9 a.m. to 1 p.m. is registration day for Durham County and City teachers and for all other students in Durham on that day. Thursday, June 7, is registration day for out-of-town students. All such students should be present at 2 p.m. to submit their credentials for admission, to select their courses, and to make arrangements concerning board and lodging. Students arriving after 5 p.m. Thursday will register Friday, June 8, 8:30 a.m., or 2 p.m.* Regular classes will meet at 7:50, Friday morning, and recitation work will begin at once according to schedule.

For the second term, Thursday, June 28 is registration day, and classes will begin Friday, June 29. For the third term, Friday, July 20, is registration day, and classes will begin Saturday, July 21, according to schedule.

ADMISSION

Applicants for admission must have completed a high school course. As evidence of this, a teacher's certificate of grade as high as North Carolina elementary will be accepted from teachers with two or more years of experience. Certificates and other credentials must be submitted to the Committee on the Summer School at the time of registration. Students who wish

* N.B.—Students who register late are marked absent for all classes held prior to their registration. Late registration very seriously affects credits that may be obtained.

to enroll for graduate credit should submit their credits from other institutions to Dr. William H. Glasson, Dean of the Graduate School, before registration, preferably by mail. Undergraduate students should apply to the Director of the Summer School for special blank to be signed by the dean of the college to which they desire their credits sent, certifying approval of the courses for which application is made. The Summer School reserves the right to reject any application or to cancel any registration without assignment of reason.

CREDITS

Professional credits towards teachers' certificates are granted by the various state boards of education each in accordance with its own carefully planned rules. Teachers should consult the rules laid down by their State Board of Education before enrolling for certification credit. Any student, however, whose work is of such quality as to deny him credit toward a degree, fails to receive "professional" credit.

College credits are offered as follows: A course of five hours a week for six weeks counts for two semester-hours of credit, a course of seven and one-half hours a week for six weeks counts for three semester-hours of credit, and a course of ten hours a week for six weeks counts for four semester-hours of credit in Duke University. No student is allowed to take more than fifteen hours of work a week without the consent of the Director and of the instructor in whose department the student expects to do his major work.* Except in the case of elementary laboratory science, the University will not accept credit beyond six semester-hours earned in one term of six weeks toward the bachelor's degree. Graduate students are not under any circumstances permitted to enroll for more than six semester-hours in a summer school of six weeks. They forfeit graduate credit by undertaking more than six semester-hours of work, even though part of the work may carry undergraduate credit only. A student of senior standing, however, may elect as many as eight semester-hours of such elementary-skill work as drawing, public school music, and the like, that do not carry college credit, or courses primarily for freshmen and soph-

* No student liable to suspension from the University under its rules regarding failure is permitted to enroll in summer school.

omores, and obtain such professional credit as his State Department of Education will allow, not to exceed the maximum eight stated.

The nature of the credit allowed for each course is indicated by the number of the course. Courses numbered 1-49 are primarily for freshmen, or freshmen and sophomores; courses numbered 50-99 are ordinarily for sophomores, or sophomores and juniors; courses numbered 100-199 are for juniors and seniors; courses numbered from 200-299 are for seniors and graduates; and courses numbered from 300 up are for graduate students only. Courses numbered from 200 up are limited in enrollment to twenty-five students.

Students registered for graduate courses in the Summer School, who desire to have their work credited toward the master's degree, should also register in the office of the Dean of the Graduate School during the first week of each summer term.

EXAMINATIONS

The last two days of each term of six weeks are devoted to examinations. The University has no provisions for giving examinations *in absentia*, but students absent from examination for valid reason are permitted a liberal extension of time in which to return to the University for completion of credit.

The early opening of schools in which many summer school students happen to teach, sometimes necessitates the return home of students before the end of the second term of summer school. The provision made for such students is as follows: Any student whose record is superior in a given course may with the consent of his instructor and the approval of the Director of the Summer School obtain a special examination not earlier than the fourth day before the regularly scheduled examination. If he takes such examination, the total credit in each course is reduced by one-sixth; in other words, the student is interpreted as having completed five weeks of summer school and his maximum allowable credit, therefore, is five semester-hours.

GRADUATE INSTRUCTION

Students who have received a bachelor's degree for a four years undergraduate course from a college of sufficiently high standing may be

admitted to take courses in the Graduate School of Arts and Sciences of Duke University. The department concerned will determine whether a student is prepared to take any particular course. *Admission to graduate courses does not necessarily imply admission to candidacy for a degree.* A candidate for admission as a graduate student should present satisfactory evidence that he has received a bachelor's degree from a college or university which is a member of the Southern Association of Colleges and Secondary Schools or of one of the similar associations in other sections of the country (provided that the degree must have been conferred after the admission of the college or university to membership in said association); or from a North Carolina college whose bachelor of arts' or other bachelor's degree is accepted by the State Department of Education as the basis for issuing the high school or primary certificate of Class A. A degree from an institution outside of the State of North Carolina, not provided for above, may be accepted when an investigation in the individual case shows that qualifications are satisfactory.

ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are master of arts (A.M.), master of education (M.Ed.), and doctor of philosophy (Ph.D.). Some departments of the University are now prepared to give a full program of work leading to the degree of doctor of philosophy; other departments are gradually enlarging the scope of their instruction.

ADMISSION TO CANDIDACY FOR A DEGREE

A graduate student who desires to be accepted as a candidate for a degree should file with the Dean of the Graduate School an official transcript of the record of his undergraduate work and also of any graduate courses he may have completed. He should also confer with the head, or chairman, of the department in which he desires to take his major work. Applications for admission to candidacy for the degree of master of arts or master of education should be made at the beginning of the first year of graduate work, and for the degree of doctor of philosophy at the beginning of the second year of graduate work. Before receiving recognition as a candidate for a degree, the student must satisfy both the general requirements of the Graduate School and the special requirements of the department in which he is taking his major work.

THE DEGREE OF MASTER OF ARTS

Candidates for the degree of master of arts are required to have a reading knowledge of two foreign languages, evidenced by examination or by credit obtained for at least six semester-hours of college work in each. If this requirement has not been satisfied before admission to candidacy for the degree, the required foreign language work must be completed before the degree is conferred and will not be counted for credit toward the degree. The two foreign languages offered must be acceptable to the department in which the candidate is taking his major work.

To obtain the degree of master of arts a candidate must complete satisfactorily twenty-four semester-hours of graduate courses and a thesis. The credit for the thesis is six semester-hours. Each candidate for the degree must select a major subject in which the minimum requirement is twelve semester-hours and the thesis. [Before selecting his major in a department, a student must have completed a minimum of twelve semester-hours of approved *preliminary* courses in that department and twelve additional semester-hours either in that department or in related work.] A candidate must take six semester-hours of graduate work in a minor subject approved by the major department, and the remaining six semester-hours in the major or minor subjects or in a department approved by the major department and by the Graduate Council. No undergraduate course may be credited toward the degree of master of arts.

MINIMUM RESIDENCE REQUIREMENTS

The minimum residence requirement of candidates for the master's degree is one academic year. Often a longer period of residence will prove necessary. In the case of graduate students who take all the work for the master's degree in the Summer School, the minimum residence requirement is five summer terms of six weeks each.

DEGREE OF MASTER OF EDUCATION

The degree of master of education is granted to teachers, or others engaged in educational service, upon completion of the prescribed program of study. Candidates for the degree must have had two years of practical experience in teaching when the degree is conferred. This experience may be obtained in the two years immediately prior to entering upon candidacy for the degree, or it may be obtained concurrently with the period of study for the degree.

A preliminary requirement for admission to candidacy for this degree is the completion of a minimum of twelve semester-hours of approved undergraduate work in education, including work in educational psychology and work in either history of education, educational sociology, or school administration.

The requirements for the degree of master of education are twenty-four semester-hours of graduate courses and a thesis. Candidates must take a minimum of twelve semester-hours of work and write a thesis in the Department of Education. At least six semester-hours must be taken in some department other than the Department of Education. Students who are preparing to teach secondary school subjects are advised strongly to take twelve semester-hours of graduate work in the subjects they intend to teach. In such cases the thesis may be prepared under the joint supervision of a department in which the student intends to teach and the Department of Education.

The residence requirements for the degree of master of education are the same as those for the degree of master of arts.

THESIS FOR THE MASTER'S DEGREE

The title of the thesis required in partial fulfillment of the requirements for the degree of master of arts or master of education must be approved by the department or departments concerned and filed with the Dean of the Graduate School on or before November 1 of the academic year in which it is expected that the degree will be conferred.

Three bound typewritten copies of each thesis must be submitted to the Dean of the Graduate School in approved form on or before May 15 of the year in which the degree is conferred. The thesis is passed upon and accepted or rejected by an examining committee of three members of the faculty. Each candidate is required to appear before the committee for an oral examination on the thesis.

SUMMER SCHOOL WORK FOR THE MASTER'S DEGREE

Graduate students may not receive more than six semester-hours of credit for work taken in one summer session of six weeks. The degree of master of arts or master of education can be earned in five such summer sessions by students who are well prepared for graduate work. All the work offered for the master's degree must be completed within a period of six years.

CREDIT TOWARD THE MASTER'S DEGREE FOR WORK DONE ELSEWHERE

No credit toward advanced degrees is given for university extension or correspondence courses.

Not more than six semester-hours of credit toward the master's degree may be given to graduates of Duke University or of other approved colleges or universities for acceptable graduate courses or research work completed elsewhere. Such credit will not shorten the minimum period of residence required at Duke University.

DEGREE OF DOCTOR OF PHILOSOPHY

A student who plans to enter upon a program of work leading to the degree of doctor of philosophy should consult, or enter into correspondence with, the Dean of the Graduate School and the head of the department concerned. He will then be advised as to the possibility of securing the necessary instruction and supervision of research in the desired field.

THESIS WRITING IN SUMMER SCHOOL

Since Duke University grants no master's degree except upon completion of a satisfactory thesis, every candidate for the master's degree who expects to complete his work in summer school should as soon as possible after completing his first term of residence choose a field in which he desires to write a thesis and confer with some instructor offering graduate courses

in that field. The following points should be clearly in mind when arrangements are made for thesis supervision :

1. The subject of the thesis must be approved by the instructor who undertakes the supervision. The instructor's decision as to whether the topic is suitable, or the student is prepared to develop it, or the instructor prepared to supervise it, is final.

2. A student may enroll for six semester-hours of residence credit toward a thesis or for less, in one term of six weeks. If he enrolls for only three semester-hours he may enroll also for a course of three semester-hours, but he cannot enroll for a total of more than six semester-hours of credit, including residence toward his thesis. Completion of six semester-hours of residence toward his thesis does not guarantee the satisfactory completion of the thesis, which must be acceptable to the instructor supervising it and to a committee representing the Council on Graduate Instruction.

3. A student may either enroll in a specifically designated "thesis" course or may, if his preparation meets the approval of the instructor in charge, attach himself to some regularly offered course in his field of study and report periodically to the instructor offering the course.

4. A student enrolling for thesis residence credit in regular course pays the same fees as other students during the summer of residence. At the time of graduation he pays the same diploma and commencement fees as other students and thesis supervision fee of twenty-five dollars.

5. Students enrolling for thesis supervision during the summer school are expected to complete their theses largely during the summer of enrollment or some subsequent summer term. The instructor with whom they enroll is not under obligation to give active supervision during the academic year, although instructors are willing to give a reasonable amount of attention to theses practically complete.

6. Students of the academic year who do not complete theses begun prior to summer school are not accepted for summer school enrollment unless their subjects are in the field of some thesis seminar or other course offered by an instructor who recommends that such students be assigned to his supervision during the summer. Instructors who are employed for full time by the summer school are specifically requested not to carry over into the summer thesis students whose subjects are not properly a part of work such instructors are offering in the summer school.

ROOMS AND BOARD

Board and room for a term of six weeks may be secured in the University dormitories at the rate of \$47.00 per occupant with two in a room, or \$54.00 if room alone is engaged. Separate dormitories will be reserved for graduate students and for undergraduates. There is no dormitory reserved for married

students, and children are not under any circumstances admitted to the dormitories. Students desiring to bring children, or married students desiring rooms, should write the Director for a list of private rooming places where suitable accommodations may be obtained. Occupants of University rooms furnish their own bedclothes, pillows, and towels. All other essentials are supplied by the University.

One or more of the men's dormitories, and one or more of the women's dormitories, will be reserved exclusively for advanced students. In all dormitories substantially the same rules and regulations obtain as during the regular academic year; but *in the graduate dormitories all radios, graphophones, and other noise-making appliances are strictly forbidden.* The West Campus will be used for the summer of 1934.

All occupants of University dormitories are advised to board in the regular dining-room of the Union, on account of the opportunity to meet at meal-time with their fellow-students, and because of the fact that the greater number of students guarantees better board for all, board being furnished at cost. The service is cafeteria plate-service. Students in the dormitories who desire to board elsewhere than in the regular dining room will pay room-rent at the rate of \$12.50 with two in a room or \$22.00 for room alone. Students rooming off the campus who desire board in the Union may obtain it for thirty-five cents per meal. There is, therefore, a saving of ten per cent on room and a larger saving on board offered those students who board in the regular dining rooms. There is also a coffee-shop in the Union at which *a la carte* service may be obtained by those who prefer it enough to pay the higher rates. There is no room discount to those boarding in the coffee-shop, the sole purpose of the discount being to encourage volume of business in the regular dining-rooms and thereby obtain the best possible board for the large majority of students who take their meals there.

FEES

Teachers are not required to pay tuition fees. All other students are charged a tuition fee of \$8.00 for each college credit hour, or \$4.00 for each semester-hour, maximum tuition being \$24.00 for six weeks. All students, teachers included,

pay a registration fee of \$17.50 per term. Students in the sciences pay the laboratory fees required in regular term work. Students who enroll for more than the normal schedule of work are charged an excess registration fee of \$5.00.

Major expenses may be estimated as follows for each term :

Registration	\$17.50
Room rent and board	47.00
	\$64.50
Total major expenses to teachers	\$64.50

To this total should be added the tuition fee of \$24.00 charged students other than teachers in the public schools, about \$7.00 for books, and probably \$3.00 for miscellaneous expenditures. All claims for exemption from tuition should be filed at the time of registration.

RESERVATION IN ADVANCE

Classes are of limited enrollment. All students should enroll promptly, for all applications, both for classes in which the applicant desires to enroll and for rooms, will be filed in the order in which they are received. Each application for a reservation should be accompanied by a check for \$5.00 in part payment of the registration fee. This check reserves a room also if the student states a desire to room in one of the University buildings. Such reservation simply guarantees place, subject to the right of the Summer School to cancel, in *graduate men's dormitory, graduate women's dormitory, undergraduate men's dormitory, or undergraduate women's dormitory*; and students making such reservation select the specific room they are to occupy after arrival. Students are not advised to reserve specific rooms in advance, but may do so by paying at the time reservation is made the regular charge of \$12.50 for room with room-mate, or \$22.00 for room alone. A few single rooms are available at \$17.00 for the six weeks. Students who pay the \$12.50 room-rent in advance are allowed twenty-four hours after classes begin in which to select a room-mate. No room may be reserved by more than two students, but adjoining rooms may be reserved by groups who desire to be together.

REDUCED RAILROAD FARES

Reduced railroad rates on the round trip identification plan will probably be authorized as for the past several years by the Southeastern Passenger Association from all stations in Alabama, North Carolina, South Carolina, Virginia, Georgia,* Florida, Kentucky, Mississippi, Tennessee, and Louisiana; also from Washington, D. C. Address the Director of the Summer School for information on this matter.

Special fares on similar basis for the round trip on the identification certificate plan will probably be authorized also from territories of the Central Passenger and Trunk Line Association, briefly described as follows: East of and including Chicago and St. Louis north of the Ohio and Potomac rivers to the Atlantic Seaboard south of New England and Canada. Address the Director, as directed above, for final information.

APPOINTMENTS BUREAU

A teacher's appointment bureau is maintained for the benefit of teachers desiring a change of position. There is no charge for this service.

RELIGIOUS SERVICES

University religious services are held each Sunday morning at 11:15, to which all students are invited. A series of organ recitals are also given Sunday afternoon and at other times each week in the new cathedral-chapel.

RECREATION AND ENTERTAINMENT

At the time of registration every student receives a season ticket to all recreation and lecture programs. In addition to admission to special lectures, and other features of entertainment provided, this ticket entitles the student to use of the tennis courts and of the swimming pool. The swimming pool is open an hour and a half daily for various groups of students. There is also an evening play-hour sponsored by the Department of Physical Education.

Mr. Anton Brees, Carillonneur of the Mountain Lake Singing Tower, Lake Wales, Florida, will give recitals on the fifty-

* Except stations on Apal. Nor., C. & W. C. Ry., and W.-S. S. Ry.

bell carillon of the University at stated times twice a week during the summer school.

The national honor society in Education, Kappa Delta Pi, maintains a weekly forum to which all students are invited.

The athletic department of the University conducts a four-day coaching school for high school coaches July 18-21. Students in the first term of the summer school will be able to attend a large part of the class work in this school if they desire, and students expecting to enroll in the third term may come early without additional expense, except for board and nominal room charge, and complete the entire course offered by Coach Wallace Wade and his staff in football, basketball, baseball, and track.

SUMMER SCHOOL OPPORTUNITIES FOR UNDERGRADUATES

Since the summer school is an organic part of the University, students may enter in the summer instead of waiting until the autumn semester. Beginning students who elect to enter in the summer should make application and send their entrance credits just as if they intended to enter in September.

The work of any course for the summer is precisely the same as for any other part of the year, taught largely by the same instructors who teach in the academic year. The chief differences between summer work and work at other times is that in the summer only one course, e.g., freshman English, some one science, some one elementary foreign language, etc., is studied at one time; in other words, the student studies only one subject. Since the normal student completes only five subjects per year, the student who applies himself diligently may complete in twelve weeks of summer school two-fifths of a year's work.

AFFILIATED SUMMER SCHOOLS

The Junaluska Summer School, Inc., Lake Junaluska, N. C., is an independent school affiliated with Duke University. It has for the summer of 1934 been combined with Junaluska School of Religion and will offer undergraduate courses in field botany, elementary education, English, and religion. The only graduate work offered toward the A.M. degree will be in field

botany, but the Junaluska School of Religion offers credits toward the B.D. degree. (For further information address Dr. Paul N. Garber, Director, Duke University, Durham, N. C., and see description of courses, pages 52 to 58, this bulletin.) Junaluska Summer School will begin its single term June 8 and close July 19, making it possible for a student attending Junaluska to transfer to Durham in time for the third term, July 21 to August 31.

SUMMER SCHOOL OPPORTUNITIES FOR GRADUATE STUDENTS

More than one-half of all the students in the summer school are graduates of standard colleges, and a majority of the graduate students are supervisory officials and teachers in the public schools. Departments of instruction, therefore, offering courses related to the common secondary school curriculum have built up regular sequences of graduate work continuing through a series of summer schools in which graduate students may enroll with reasonable assurance that sufficient work will be offered to enable a properly qualified student to complete Master's requirements easily within the period permitted by the University. Departments in which sufficient demand for graduate courses has developed to enable students to complete Master's degrees in the minimum time are economics and political science, education, English, French, history, Latin, mathematics, psychology, and zoölogy. Sufficient work is also offered during the summer in religion and sociology to make possible the completion of a Master's degree in those departments. It is intended to add complete sequences in other departments as rapidly as demand justifies. The Department of Religion offers work toward the B.D. degree, and students in that department can also obtain B.D. work in the affiliated summer school at Junaluska. In the Department of Education complete sequences of work for the Master's degrees are offered in the divisions of public school administration, secondary education, educational psychology, and elementary school education. This variety of offerings should cause students in this department to be especially careful to select a unified course.

In all departments a graduate student must select his minor

subject to the approval of his major department. Under "Courses of Instruction," pages 28 to 51, this bulletin, specific regulations and suggestions of departments are given. It is important for all degree candidates to choose their courses according to some unified plan. Mere accumulation of more or less unrelated credits in various divisions of a department with a minor in some department only remotely related to the student's major work will not be accepted as meeting requirements for a graduate degree. Students are advised to choose their first term's work along the line of their major interest and then each succeeding term exercise increasing care in advising with their major professor and the Dean of the Graduate School as to properly related work.

**COURSES EMPHASIZING PUBLIC SCHOOL CURRICULUM
RECONSTRUCTION OFFERED IN THE
SUMMER OF 1934**

Of special interest to North Carolina teachers, and of general interest to teachers elsewhere, will be the emphasis placed by the Summer School of 1934 upon problems of curriculum making and reconstruction in the elementary and secondary schools. Dr. James E. Hillman, for a number of years a division head in the North Carolina State Department of Public Instruction and for the past two summers on the Duke University Summer School staff, has been appointed to supervise a curriculum revision in the elementary and secondary schools of North Carolina. He will conduct a seminar the first term of summer school on curriculum revision in the elementary school, preference in enrollment being given to properly qualified graduate students who are teaching in the North Carolina public schools; but graduate students from elsewhere will be welcome to visit the seminar, participate in the discussions, and so far as facilities permit enroll for credit. A similar seminar will be conducted the first term of summer school for graduate students interested in secondary education by Dr. J. Paul Leonard, Professor of Secondary Education, College of William and Mary, of the commission on curriculum reorganization for the

State of Virginia. Dr. Leonard will also conduct a special seminar in the teaching of secondary school English. Dr. A. Monroe Stowe, until recently head of the department of Education at Randolph-Macon College for Women and for the past six years a member of the summer school staff of Duke University, will offer work the first term in the teaching of the social studies and will continue the third term with a seminar in the same field. It is probable that Dr. Hillman's work will be extended at least through the second term if there is sufficient demand for it. Related work for students who wish to work only part time on the problems of curriculum-revision will be found in such courses as that offered by Dr. J. O. Marberry of the University of Texas on the organization and administration of the public school curriculum, the course offered by Dr. O. B. Douglas of the University of Texas analyzing research progress made in the field of reading, and a similar course offered by Dr. W. A. Brownell of Duke University analyzing research in arithmetic.*

* Other related work will be found in the materials and methods courses listed under "Undergraduate Courses" in the Department of Education, this bulletin. Special attention is called to the courses listed as Education S192 and S197, page 40.

Specimen Application Blank

DIRECTOR DUKE UNIVERSITY SUMMER SCHOOL
 DUKE STATION
 DURHAM, NORTH CAROLINA

Dear Sir :

Please make temporary reservation for me in the following courses described in your summer school announcement :

.....

(Signed)

Mr., Mrs., Miss.....

Post Office Address.....

Date.....

Be careful to give the following information :

Are you a teacher in the public schools?.....

Name of high school from which you were graduated.....

.....
 Number of years completed in college.....

Name and address of the school in which you are teaching.....

.....

Do you wish room reserved?..... Alone?.....

In graduate dormitory?..... Undergraduate?.....

What term (first, second, or third) ?.....

N.B. The graduate dormitories are not open to undergraduates under thirty years of age. All room reservations of graduate students are tentative until the student has been accepted by the Graduate School. Students who wish a special room reserved will remit full amount of room-rent; other students simply indicate whether they desire room in graduate or undergraduate dormitory. The summer school reserves the right to cancel room reservation or registration for courses without assignment of reason.

Note: Students who do not wish to submit transcripts of their previous college record, because desiring to transfer their summer school credits to some other institution, should answer the following :

Do you wish blank for statement from your college certifying your present class-standing and requesting transfer of your summer school record?

COURSES OF INSTRUCTION

EXPLANATIONS AND ABBREVIATIONS

Classes meet daily five times per week for six weeks unless otherwise indicated. Classes that meet for fifty-minute periods are indicated as carrying two semester-hours of credit. Classes meeting eighty-minute periods daily count for three semester-hours except where credits are stated otherwise.

Courses are arranged alphabetically by departments. The course numbers are the same numbers used in describing courses in the regular term, with the letter "S" preceding; for example, Botany S1 would correspond to Botany 1 of the regular term. The following abbreviations occur: the numeral *1* means that the course comes the first one-hour period daily, beginning at 8:15; *2*, the second one-hour period, beginning at 9:15; *3*, the third one-hour period beginning at 10:45; *4*, the one-hour period beginning at 12:10. *A* means that the course comes the first eighty minutes daily, beginning at 7:50; *B* means that the course comes at the eighty-minute period beginning at 9:15; *C* means that the course meets an eighty-minute period beginning at 10:45; *D* indicates the period 12:10 to 1:30; *I* means that the course is offered the first term; *II*, that it is offered the second term, beginning June 29; *III*, that it is offered the third term, beginning July 21; *I, III*, that the course is offered either term. Periods 1, 2, 3, and 4 do not conflict; and periods A, B, C, and D do not conflict; but period A conflicts with 1, B with 2, C with 3, and D with 4. Terms I and III do not conflict; but term II overlaps both I and III.

N.B.—Different State Departments of Education grant professional credit for various courses in accordance with their own carefully defined rules. Every student should inquire carefully at or before registration as to what professional credit is allowed for each course in his state.

THESIS COURSES FOR MASTER'S DEGREE CANDIDATES

It is important for every candidate for a Master's degree to plan for his thesis as soon as possible after he completes his first summer school. (See suggestions for planning theses, pages 18-19, this bulletin.) Special attention is called to Education S309, S326, S336, and S393, Economics and Government S308, English S312X and S319, French S350, History S314 and S315, and Latin S300X. A properly qualified student, however, may with the approval of the instructor and the head of his department attach himself to any graduate course for thesis supervision.

BIOLOGY

See courses listed under Botany and Zoölogy.

BOTANY

S1. General Botany.—An introduction to the structure and life processes of seed plants. 7:50-9:40; 11:00-12:50, and 3:00-5:00 daily, *II* (June 29 to July 24). 4 s.h. MR. KRAMER AND MR. L. B. WILSON

S2. General Botany.—A survey of the plant kingdom, an introduction to the identification of plants, and a brief study of the laws of heredity. 7:50-9:40; 11:00-12:50, and 3:00-5:00 daily, *II* (July 24 to August 16). 4 s.h. MR. KRAMER AND MR. L. B. WILSON

CHEMISTRY

S1-S2. General Inorganic Chemistry.—Lectures, recitations, and laboratory work on the elementary principles of chemistry and on the occurrence, preparation, properties, and uses of the elements and their compounds. It is desirable, though not required, that students taking this course shall have taken elementary physics either in high school or in college. 8 s.h. *Lecture daily, I; recitation daily, 11:40; laboratory hours to be arranged, III.* MR. R. N. WILSON AND MISS BROWN

S61. Qualitative Analysis.—A study of the reactions of acids, bases, and salts in solution as applied to the qualitative analysis of mixtures of inorganic compounds of the more familiar elements. *Lecture or quiz daily, 10:15; laboratory daily, 2:30 to 5:30. I.* 4 s.h. MR. SAYLOR AND MR. WHITENFISH

S70. Quantitative Analysis.—A number of representative quantitative analyses are carried out in the laboratory, and the underlying theory is taken up in the lectures. *Lecture or quiz daily, 10:15; laboratory daily, 2:30 to 5:30. III.* 4 s.h. MR. HILL AND MR. SHANKLE

S151. Organic Chemistry.—An introduction to the study of the compounds of carbon. Both the aliphatic and the aromatic series will be dealt with, and the lectures illustrated by selected laboratory experiments. Courses 61 and 70 are prerequisites except in special cases. *Lecture I; laboratory Tuesday, Wednesday, Thursday and Friday afternoon 2:00-5:30; quiz every other day beginning Saturday, June 9, second period. I.* 4 s.h. MR. HAUSER AND MR. MILLER

S152. Organic Chemistry.—A more detailed study is made of subjects such as stereoisomerism, substitution in the benzene ring, diazo reactions, etc. Course S151 prerequisite. *Lectures, laboratory, and quizzes as in S151. III.* 4 s.h. MR. HAUSER AND MR. HOBBS

ECONOMICS AND POLITICAL SCIENCE

S51. Principles of Economics.—A short course in the essential principles of economic science. Students who complete this course satisfactorily may be admitted to Economics 103 and 105 during the college year 1934-35. *A, I.* 3 s.h. MR. RATCHFORD

(This course will not count as part of the minimum economics requirements for graduation until the equivalent of S52 has been completed. It will, however, count as elective credit.)

S52. Principles of Economics.—A, III. 3 s.h.

MR. SMITH

(This course will not count as part of the minimum economics requirements for graduation until the equivalent of S51 has been completed. It will, however, count as elective credit.)

S57-58. First-Year Accounting.—Elementary principles of single proprietorship, partnership, and corporation accounting. Supervised laboratory periods will be assigned. *A, B, D, I. 6 s.h.* MR. BLACK

S101. American Government and Politics.—A brief preliminary study of political organization in general followed by a more detailed study of the American political system. *D, I. 3 s.h.* MR. N. P. MITCHELL

S115. Economic Geography: Teachers' Course.—*This course is not open to students who have received credit for Economics A.* A study of the interrelation of human activities and environmental elements. The discussion embraces location, maps and their interpretation, the major climatic regions, seasonal influences, weather, lands and their uses, soils and minerals, bodies of water, plants, animals and the works of man as environmental factors. *B, I. 3 s.h.* MR. LONDON

S116. Economic Geography and Industrial Organization.—A study of the economic resources of the world: the products of the agricultural and manufacturing industries; trade routes and trade centers; the balance of trade and its relation to industrial development; the influence of geographic factors on the commercial policy of nations. Prerequisite: course S115, or Economics A. *C, III. 3 s.h.* MR. KEECH

S119. Economic Geography of North America.—The purpose of this course is to ascertain how natural environment has influenced the location, activities, characteristics, and thinking upon social, political, and economic problems of the people of the various countries and parts of the North American continent. The material is organized on the basis of natural regions, and physical features as causal factors, as well as a description of what man does, are considered. (Not open to students who have had Economics A since 1930). *C, I. 3 s.h.* MR. LONDON

S203. History of American Banking.—The banking situation in 1789. The First and Second Banks of the United States. The triumph of the state banks in Jackson's administration. Experimentation in State control. Bank Act of 1863. Problems arising from the dual system. Its growing inadequacy in the national economy. Federal Reserve system and policies. Recent legislation. *B, I. 3 s.h.* MR. MURCHISON

S209. State and Local Government in the United States.—The subject matter of this course covers the historical development of state and local governments, their present political organization, and their relation to each other and to the federal government. Particular attention is given to the study of state and county government in North Carolina. *A, III. 3 s.h.* MR. R. S. RANKIN

S213. Advanced Economic Theory.—This course is designed to introduce students to some of the more complex aspects of economic theory. Controversial phases of theory are surveyed through the medium of the works of the foremost modern economists. The course will also serve as a general review of economic theory for graduate students. *D, III. 3 s.h.* MR. SPENGLER

S219. Economics of Recovery.—A course in economic stabilization, emphasizing treatment of the new business cycle theories and giving critical attention to the N.R.A. and other Government projects. This course does not conflict with course S217 offered in 1933. *B, III. 3 s.h.* MR. SPENGLER

S222. International Organization and Administration.—A study of the organization and functioning of existing international machinery, such as the League of Nations, the World Court, the International Labor Organization, and other public agencies for international coöperation. This course does not conflict with S227 offered in 1933. *A, I. 3 s.h.* MR. R. R. WILSON

S235. Monetary Theory and Problems.—Ancient and medieval systems and associated theories. Influence of modern financial practice on nature of money and the problem of price control. The question of commodity standards. Trend toward managed currencies. International monetary relationships. Fiscal difficulties, foreign investments, trade restrictions, etc., as factors of instability. Current reform. Course S203 or elementary course in money and banking pre-requisite. *D, I. 3 s.h.* MR. MURCHISON

S264. Railroad Regulation in the United States.—A study of powers, activities, and the interrelationship of regulatory bodies, state and federal, as determined by legislation, administrative functioning, and judicial interpretation. *C, I. 3 s.h.* MR. R. R. WILSON

S308. Seminar in State Government.—Open for enrollment only to students who have had or are carrying Course S209. This course will offer an opportunity to students to investigate particularly the relationship now existing between the federal government and the states. Recommended for students interested in writing theses in the field of American Government. *C, III. 3 s.h.* MR. R. S. RANKIN

EDUCATION

Graduate courses in the department are grouped under the following subdivisions: Public School Administration, Secondary Education, Elementary School Education, and Educational Psychology. Every candidate for a Master's degree in the department should elect at least twelve semester-hours in the one of these fields in which he intends to write his thesis and the remainder of his work, including the six semester-hours in his minor, with the approval of the proper division adviser. Dr. Proctor is adviser to students in School Administration and in Secondary Education. Dr. Carr, when in residence, is adviser in Elementary Education. Dr. Brownell is adviser in Educational Psychology and, in the absence of Dr. Carr, in Elementary Education.

PUBLIC SCHOOL ADMINISTRATION

(Master's candidates in this division should elect minor work in Economics and Political Science.)

S233A. Pupil Personnel Problems and Procedure.—This course is intended to outline for administrators and teachers the need for consideration of many adjustment problems of individual pupils, and to develop an acquaintance with the best provisions for meeting these needs. The course is directed toward the development of insights rather than techniques. *D, I. 3 s.h.* MR. SCATES

[Not open for enrollment to students who have had course S233.]

S234. Secondary-School Organization and Administration.—A study of the outstanding problems of secondary-school organization and administration other than the problem of gradation and classification of pupils. (Old numbers, S16 and S213). *D, II. 3 s.h.* MR. COOKE

S253. Legal Phases of School Administration.—A study of judicial decisions and development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. Open for enrollment of students who present six semester-hours of graduate work in school administration. *B, II. 3 s.h.* MR. HOLTON

[Not offered unless as many as twelve students enroll.]

S283. Organization and Administration of the Public School Curriculum.—Foundation principles underlying curriculum construction, reconstruction movements since 1900, present developments in coöperative curriculum construction and administration. *C, I. 3 s.h.* MR. MARBERRY

S293. Problems of the Teaching Personnel.—*B, III. 3 s.h.* MR. COOKE

S323. Public School Finance.—A study of educational costs, sources of revenue for the support of public education, collection of revenue, basis of distribution, and accounting for funds spent. *A, II. 3 s.h.*

MR. PROCTOR

S333. Problems of High School Supervision.—A consideration of such problems as aims and purposes of high school supervision, elements of an effective supervisory program, programs of supervision for city and rural high schools, the administration of programs of supervision. *A, I.* 3 s.h. MR. COOKE

S343. State and County School Administration.—A study of the state and county organization of public schools, emphasizing underlying principles. *C, II.* 3 s.h. MR. PROCTOR

S363. City School Organization and Administration.—Problems confronting the administrative officer in local schools, such as relations of superintendent with board and public, organization of schools, development of curricula, selection and promotion of teachers, etc. *A, I.* 3 s.h. MR. MARBERRY

S363A. City School Organization and Administration.—A special section of S363, not open for enrollment of students who have completed that course. *A, III.* 3 s.h. MR. ENGELHARDT

S364A. Problems in Public School Administration.—A discussion of outstanding problems suggested by course 363 or 363A and not open for enrollment of students who have not had one of those courses. *C, III.* 3 s.h. MR. ENGELHARDT

S373. Business Problems of School Administration.—*B, I.* 3 s.h. MR. SCATES

S393. Seminar: Public School Administration.—A study of approved problems in public school administration, each student doing research in his chosen problem. Primarily for students desiring to write Master's theses. *Schedule to be arranged, I (first three weeks).* 3 s.h. MR. PROCTOR AND MR. COOKE

S393X. Thesis Seminar.—*Residence credit only. Schedule to be arranged, III (last three weeks).* MR. PROCTOR AND MR. COOKE

EDUCATIONAL PSYCHOLOGY

(Master's candidates in this division should elect some course-work in either Elementary or Secondary Education and should choose Psychology as their minor.)

S208. Mental Tests and Applications.—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. *B, I.* 3 s.h. MR. EASLEY

S209. Statistical Methods in Education.—A course intended to familiarize teacher, supervisor, and administrator with the statistical method of treating educational and social data, so as to enable them to interpret and use the results of recent investigation in the science of education. Text-books, special assignments, and reports. *D, III.* 3 s.h. MR. SCATES

S218. Child Psychology.—The development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc., the process of socialization; and similar material of especial significance to teachers in the elementary schools. An advanced section of S118, not open for enrollment to students who have credit for that course. (Not offered if there is greater demand for S118.) *B, III.* 3 s.h.
MR. BROWNELL

S219. Experimental Education.—An introduction, including a brief historical survey of the field, to some of the most important problems and methods in experimental education. Experiments and reports in the general field of learning, the psychology of the school subjects, and related fields. *A, III.* 3 s.h.
MR. DOUGLAS

S227. The Psychology of Learning: Problems.—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. *D, I.* 3 s.h.
MR. EASLEY

S228. The Psychology of Learning, Theoretical and Experimental.—This is a continuation of S227. The laws of learning, the most important explanatory principles, and the major systems of the psychology of learning will be considered. Class experiments. Prerequisite, 227 or its equivalent. *C, III.* 3 s.h.
MR. EASLEY

[Not offered unless as many as twelve students enroll.]

S237. Investigations in Reading.—A summary of the results of the more important scientific studies in reading: interpretation of the results in terms of aims, methods, materials of instruction, testing diagnosis, and supervision; emphasis on problems requiring further investigation. *C, III.* 3 s.h.
MR. DOUGLAS

S247. Investigations in Arithmetic.—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the value of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. *B, I.* 3 s.h.
MR. BROWNELL

S258. Educational Measurements.—A study of the purposes and uses of standardized tests and scales with special emphasis on their use in the improvement of instruction. (Not offered if there is greater demand for S158). *B, III.* 3 s.h.
MR. SCATES

S309. Thesis Seminar in Experimental Education and Educational Psychology.—A study of approved problems in experimental education, each student doing research on a problem of his own selection. *D, I.* 3 s.h.
MR. BROWNELL

S318. Investigations of Study Problems.—A brief survey of the available literature on study, followed by extensive case-work in the study habits of high school and undergraduate college students. Diagnosis, corrective and remedial teaching in so far as possible, and reports. An introductory course in educational diagnosis and the treatment of individual differences. *A, I. 3 s.h.* MR. DOUGLAS

S348. Research in Arithmetic.—A course designed for students who have original problems in arithmetic which they desire to investigate. Such studies may be either individual or coöperative. Education S247 is advised as a preliminary course, but is not required. *D, III. 3 s.h.* MR. BROWNELL

SECONDARY EDUCATION

(Master's candidates in this division should consider also courses listed under Public School Administration and Educational Psychology, and are advised to elect minor work in their teaching subject, or in Psychology or Sociology.)

S200. Introduction to the Philosophy of Education.—A consideration of fundamental concepts underlying educational theory, approached from the study of present-day American educational philosophies. *D, III. 3 s.h.* MR. SCHUTTE

S205. Curriculum Problems in Secondary Education.—A consideration of the aims and objectives of secondary-school subjects, emphasizing practical problems of curriculum-making in the high school. This course is not open for enrollment to students who have had 206. *B, I. 3 s.h.* MR. LEONARD

S206. Social Principles of Secondary Education.—Through a study of the social phases of modern democratic life the course aims to discover principles, points of view, ideals, interests, and methods of procedure of service to secondary school and college teachers and administrators in meeting the social and cultural needs of their students. Textbook study, reading, discussions, research, and paper incorporating results of research study. Recommended for high school principals and others interested in secondary-school supervision. *C, III. 3 s.h.* MR. STOWE

S215. Educational and Vocational Guidance.—A study of the objectives and underlying principles of educational and vocational guidance, emphasizing this phase of education in North Carolina and the South. The study seeks to formulate a working program for vocational counsellors and others whose teaching function will involve problems of guidance. Prerequisite, courses in sociology or educational sociology. *C, I. 3 s.h.* MR. CHILDS

S216. Psychological Principles of Secondary Education.—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. *D, III. 3 s.h.* MR. CHILDS

S226. Teaching the Social Studies.—A course for teachers of social studies in junior and senior high schools. Discussions and collateral readings upon such topics as aims, tests for values, the social-studies curriculum, class-room procedure, course and lesson planning, etc. *B, I.* 3 s.h. MR. STOWE

S234. Secondary-School Organization and Administration.—A study of the outstanding problems of secondary-school organization and administration other than the problems of gradation and classification of pupils. *D, II.* 3 s.h. MR. COOKE

S266. The Teaching of High-School French.—Identical with French S218. *C, I.* 3 s.h. MR. WEBB

S283. Organization and Administration of the Public School Curriculum.—Foundation principles underlying curriculum construction, reconstruction movements since 1900, present developments in cooperative curriculum construction and administration. *C, I.* 3 s.h. MR. MARBERRY

S293. Problems of the Teaching Personnel.—*B, III.* 3 s.h. MR. COOKE

S320. Problems of Secondary and Higher Education.—A study of the aims, curricula, teaching techniques, and educational guidance and student personnel service activities of American institutions of secondary and higher education compared with those of similar European institutions. Lectures, reading, and reports. Open to high school and college teachers and administrative officers interested in the problems of educational guidance and student personnel service. *D, I.* 3 s.h. MR. STOWE

S326. Investigations in the Teaching of Social Studies.—A comprehensive series of studies of high school social studies curricula as to purposes and objectives, content and articulation with college curricula. Open for enrollment to graduate students who have taught social studies in high school or college. *A, III.* 3 s.h. MR. STOWE

S333. Problems of High School Supervision.—A consideration of such problems as aims and purposes of high school supervision; elements of an effective supervisory program; programs of supervision for city and rural high schools; the administration of programs of supervision. *A, I.* 3 s.h. MR. COOKE

S336. Investigations in the Teaching of Secondary School English.—A comprehensive series of studies of high school English curricula as to purposes and objectives, content, and articulation with college curricula. *D, I.* 3 s.h. MR. LEONARD

ELEMENTARY EDUCATION

(Master's candidates in this division should consider also courses listed under Educational Psychology and are advised to elect their minor work in Psychology or Sociology.)

S200. Introduction to the Philosophy of Education.—D, III. 3 s.h.

MR. SCHUTTE

S207. Technique of Teaching.—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. A course primarily for those interested in the supervision of elementary school instruction. *A, I. 3 s.h.*

MR. CARR

S212. Psychology of the Elementary School Subjects.—A study of the psychology of learning as applied to teaching the common-school subjects. *C, I. 3 s.h.*

MR. DOUGLAS

S232. Elementary School Supervision.—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. *C, I. 3 s.h.*

MR. CARR

S233A. Pupil Personnel Problems and Procedure.—D, I. 3 s.h.

MR. SCATES

S237. Investigations in Reading.—C, III. 3 s.h.

MR. DOUGLAS

S242. Curriculum Problems in the Elementary School.—A consideration of the aims and objectives of elementary education, emphasizing practical problems of curriculum construction, with especial reference to the comprehensive study of the curriculum now being made by the State of North Carolina. Enrollment by permission of the instructor. *A, I. 3 s.h.*

MR. HILLMAN

S247. Investigations in Arithmetic.—B, I. 3 s.h.

MR. BROWNELL

S283. Organization and Administration of the Public School Curriculum.—C, I. 3 s.h.

MR. MARBERRY

S293. Problems of the Teaching Personnel.—B, III. 3 s.h.

MR. COOKE

UNDERGRADUATE COURSES

(By permission undergraduate seniors may enter graduate courses numbered below 300.)

S54. Introductory Course in the History of Education.—A study of the types of educational systems and institutions evolved in Western Europe and the United States as an introduction to current educational problems. *B, I, II, III. 3 s.h.*

MR. GODARD

[Not offered any term unless as many as twelve students enroll.]

S58. The Learning Process.—A course in elementary educational psychology. *A, I, III. 3 s.h.*

MR. AGNEW

[Not offered any term unless as many as twelve students enroll.]

S61. Introduction to Teaching.—A survey of the work of the teacher, intended to assist the pupil in choosing intelligently some field of teaching work for future specialization. Topics: qualification and training of teachers, nature and aims of education, nature and purpose of public school curricula, nature of subject-matter and its relation to pupil activity, modern classroom procedure in teaching. *B, III. 3 s.h.*

MR. SCHUTE

S68. Mental Hygiene of the School Child.—A course primarily for teachers in the elementary school. A study of personality as related to the adjustment and success of the school child; the foundations of motivation; typical problems of maladjustment; social heredity and its educational implications. *C, I, II, III. 3 s.h.*

MR. PULLIAS

[Not offered any term unless as many as twelve students enroll.]

S83. Current Trends in American Public-School Organization.—A study of current controversies and criticism bearing on the organization and administration of the public schools, recent developments in the organization of schools, and the theories underlying these developments. *D, I. 3 s.h.*

MR. CURTIS

S103. School Organization and Administration for the Classroom Teacher.—A study of the problems of school organization, control, and administration as they arise in the work of the classroom teacher. *D, II. 3 s.h.*

MR. TROTH

S106. Principles of Secondary Education.—A study of the nature and scope of secondary education, emphasizing an introduction to the professional literature in the field. *B, II. 3 s.h.*

MR. TROTH

S111. Primary Methods in Language and Reading.—A study of materials and methods in the mother-tongue. Not open for enrollment to students who have had credit for course 23P or 35P of the North Carolina "Uniform Curricula." (Old number S102.) *I, II. 2 s.h.* MISS MICHAELS

S116. Methods of Teaching in Junior and Senior High School.—A course primarily for those who desire to familiarize themselves with the developments in teaching methods in the modern high school. Methods will be discussed in relation to the advances in social theory and in educational psychology. In addition to assigned readings and discussions the planning of lessons and reports will be assigned. *A, I. 3 s.h.* MR. CHILDS

S118. Educational Implications of Genetic Psychology.—A course tracing the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.; the process of the socialization; and similar material of special significance to teachers in the elementary schools. *B, III. 3 s.h.* MR. BROWNELL

[Not offered if greater demand for S218.]

S119. Analysis of Study and Study Habits, in the High School Subjects.—College freshmen not infrequently fail because they do not know how to study. This course, for high school teachers, consists of a brief survey of the available literature of study, followed by case-work in the habits of high school and undergraduate college students, and a survey of the peculiar learning problems presented by typical secondary school subjects. *B, I. 3 s.h.* MR. CURTIS

S121. Grammar Grade Methods in Reading and Language.—A study of materials and methods in the language and reading of the grammar grades. *4, II. 2 s.h.* MR. McDONALD

S122. The Teaching of Primary Numbers.—A special section of S127 for primary teachers. *2, II. 2 s.h.* MR. McDONALD

S127. The Teaching of Arithmetic in the Grammar Grades.—A course designed to acquaint the teacher with the best methods of teaching arithmetic which have evolved from more than a decade of research and experimentation; emphasis upon the actual teaching process under normal classroom conditions, with special attention to problem solving; brief survey of the work of the primary grades is also given. *3, II. 2 s.h.* MR. McDONALD

S136. Teaching High School English.—Identical with English S142. *D, I. 3 s.h.* MR. A. C. JORDAN

S142. Children's Literature: Primary Section.—A critical study of literature for primary grades; types of literature; story telling, principles underlying and practice; study of State Course of Study and adopted texts; bibliographies and use of the library. *3, II. 2 s.h.* MISS MICHAELS

S146. The Teaching of Mathematics.—Identical with Mathematics S194. *A, II. 3 s.h.* MR. W. W. RANKIN

S147. Children's Literature: Grammar Grade Section.—A critical study of literature for grammar grades; similar to S142 above. *2, II. 2 s.h.* MISS MICHAELS

S152. Materials and Methods in Nature Study.—A course primarily for elementary teachers emphasizing field botany. *2:30-4:30, I. 3 s.h.* MISS ADDOMS

S158. Educational Measurements.—A special section of S258 for undergraduate students and teachers in service. *B, III. 3 s.h.* MR. SCATES
[Not offered unless as many as twelve students enroll.]

S162. History Materials for Primary Grades.—A study of history materials for primary grades, with methods of presentation, practice in constructing and telling stories suitable for children, from biographies, travel, etc. *B, D, I (first three weeks). 3 s.h.* MRS. PORTER

S176. The Teaching of High School Science.—Materials and methods in high school science. *B, III. 3 s.h.* MR. CHILDS

S192. Materials and Methods in the Primary Grades.—A study of curriculum problems in grades one to three; underlying principles of large-unit teaching; centers of interest around which units of work may develop; criteria for selection; collection and organization of materials; organization of the curriculum around large units; checking the results against objectives and subject-matter requirements; technique of teaching large units, including the place of drill, the program of work, provision for individuality, and the relationship of the various subjects to the units of work. *B, I, II. 3 s.h.* MISS ENGLISH
[Not offered second term unless as many as twelve students enroll.]

S197. Materials and Methods in the Grammar Grades.—Identical with S192 above, except that illustrative materials are chosen with the child of grades four to seven in mind. *D, I, II. 3 s.h.* MISS ENGLISH
[Not offered second term unless as many as twelve students enroll.]

A. Public School Drawing.—This course is offered to develop certain skills fundamental in the teaching of public-school drawing as well as skills that will prove of help in teaching other subjects of the elementary school curriculum. Topics: color theory, design, perspective, representation, illustration, picture study, etc. Media: charcoal, water colors, crayons, clay, etc. *Schedule to be arranged, I (first three weeks), III (last three weeks). 3 points professional credit only.*

MRS. ALSTON (*first term*)

MRS. MASON (*third term*)

B. Industrial Art in the Public School.—Manipulation and work with clay, textiles, wood, paper, food, printing, etc., intended to give the child an acquaintance with the raw products of nature, and the changes made in them so that they may be more usable for food, clothing, shelter, utensils, tools, etc. Each student taking the course must complete a project based upon the work of the grade in which she expects to teach. *Schedule to be arranged, I (second three weeks), II (first three weeks). 3 points professional credit only.*

MRS. ALSTON

C. Public School Music.—A course in the fundamentals necessary for grade teaching. Such topics as sight singing, ear training, reading dictation, rote songs, child voice, etc., will be discussed. *Schedule to be arranged, II (second three weeks), III (first three weeks). 3 points professional credit only.*

MRS. TWADDELL

PHYSICAL AND HEALTH EDUCATION

S112. Personal and School Hygiene.—General, personal, and school hygiene with some instruction in anatomy and physiology; cause, transmission, and prevention of communicable diseases; the more common defects of school children; school-house sanitation; medical inspection; etc. *A, C, I (first three weeks.) 3 s.h.*

MISS GARDINER

S132. Materials and Methods in Health Education.—An effort to acquaint the student with a general technique of health teaching that conforms to standard educational procedure and practices in other subjects; elements of good method, criticism of method, types of lessons, sources of material, and selection and organization of subject matter; language work, games, projects, posters, and plays used as illustrative material. *A, C, I (second three weeks), II (first three weeks).* 3 s.h. MRS. MCGEE

S187. School Programs of Physical Education.—Discussions and lectures on such topics as the value of play, the psychological and physiological make-up of the school child, objectives, the planning of programs of physical education for different age groups. One hour every day is devoted to practical work. *4:00-5:20, II.* 3 s.h. MR. WAITE

ENGINEERING

C.E. S10. Plane Surveying.—Use of instruments; transit, stadia, compass, and plane-table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes, and departures; areas by planimeter; methods of plotting; survey and plot of sections of the campus by stadia, and transit and tape. *Three weeks, nine hours a day, beginning June 2.* 3 s.h. MR. W. H. HALL AND MR. BIRD

ENGLISH

(Master's candidates in English are now required to complete at least three semester-hours in Chaucer or certain other designated courses. English S203 listed below is the only course meeting this specific requirement that is offered this summer.)

S1. English Composition.—A course in the fundamentals of English composition, oral and written, with special attention to sentence structure, syntax, common errors, etc. Frequent themes. *A, I.* 3 s.h. MR. WARD

S2. English Poetry.—The principles of English versification and a general survey of English poetry. *C, I.* 3 s.h. MR. WARD

S51. English Composition.—By means of instruction, frequent conferences, and extensive writing of assignments, this course undertakes to make the student familiar with the qualities of the best prose style. (Open only to those who have credit for S1.) *B, I.* 3 s.h. MR. A. C. JORDAN

S61. Historical Background of English Literature, Prior to 1700.—A study of certain works of fiction and drama, with particular attention to the historical and social conditions which underlay the literature of the period. *A, I.* 3 s.h. MR. PATTON

S63. English Poetry, 1832-1900.—A survey of Wordsworth, Tennyson, and Browning. *B, III. 3 s.h.* MR. F. K. MITCHELL

S64. English Poetry, 1832-1900.—A survey of Victorian poetry other than that of Wordsworth, Tennyson, and Browning. *D, III. 3 s.h.*
MR. F. K. MITCHELL

[Students in S64 are requested not to schedule classes for Period C.]

S137. American Literature.—A study of American literature prior to 1850. *B, I. 3 s.h.* MR. HURLEY

S138. American Literature.—A study of American literature from 1850 to 1900. *D, I. 3 s.h.* MR. HURLEY

S142. The Teaching of High School English.—*D, I. 3 s.h.*
MR. A. C. JORDAN

S151. Public Speaking.—A course in the fundamentals of public speaking with emphasis upon the effective presentation of ideas. *A, I. 3 s.h.*
MR. HERRING

S170. The Age of Johnson.—This is a survey course in English literature, 1744-1798, including a study of the personality and influence of Dr. Johnson, readings in the poets Gray, Collins, Goldsmith, Cowper, Burns, and a study of the novelists, dramatists and writers of essays who flourished during the period. *C, I. 3 s.h.* MR. PATTON

S203. Chaucer.—Introduction to Chaucer; reading of selected works. Open to students with no previous training in Middle English. *B, I. 3 s.h.* MR. H. C. DAVIS

S204. Chaucer.—A continuation of course S203, completing the reading of Chaucer's works. *D, I. 3 s.h.* MR. H. C. DAVIS

S211A. English Prose from Lyly to Dryden.—The development of modern prose, from the Elizabethan experiments to the establishment of a stable convention. Special emphasis on Bacon, Browne, and Hobbes. *B, III. 3 s.h.* MR. HARRISON

S212A. English Verse between Spenser and Milton.—Studies in the later poetry of the English Renaissance. The metaphysical poets are treated in some detail, and an effort is made to show something of their relation to current verse. *D, III. 3 s.h.* MR. HARRISON

S218. Milton.—An exhaustive study of the works of Milton. *A, I. 3 s.h.* MR. GILBERT

S219. English Literature, 1600 to 1744.—Dryden and the Restoration dramatists; the beginning of modern prose; Queen Anne's men; the rise of the novel; satire; Pope. *B, I. 3 s.h.* MR. JACKSON

S225. Special Studies in Victorian Literature: Tennyson.—*B, I. 3 s.h.*
MR. GREENE

S227. Literary Criticism.—A history of literary criticism prior to 1700. *C, I. 3 s.h.* MR. GILBERT

S259. Studies in American Poetry Prior to 1870.—*A, I. 3 s.h.* MR. HUBBELL.

S260. Studies in American Poetry Since 1870.—Emphasis upon Walt Whitman, Emily Dickinson, William Vaughn Moody, Edwin Arlington Robinson, Robert Frost, Carl Sandburg, Vachel Lindsay, Lizette Woodworth Reese, Sara Teasdale, Edna Millay, and Robinson Jeffers. The significance of Boker, Lanier, Eugene Field, James Whitcomb Riley, George Sterling, George Santayana, Edgar Lee Masters, Elinor Wylie, Stephen Vincent Benét, and Conrad Aiken. The development of poetic technique, with a discussion of such modern developments as free verse, imagism, and impressionism. *A, III. 3 s.h.* MR. BRADLEY

S312. Special Studies in American Authors: Whitman.—Besides the reading of Whitman's works, topics such as the following will be considered: Whitman's artistic theory and practice; Whitman's philosophy and ideas; Whitman's relations to previous American literature and his influence on subsequent writers; Whitman biography, criticism, and bibliography. *C, III. 3 s.h.* MR. BRADLEY

S312X. Thesis Seminar in American Literature.—*C, I. Residence credit only.* MR. HUBBELL

S319. Seminar in English Literature, 1660 to 1744.—Open by permission of the instructor to students who are enrolled in S219 or have had other qualifying work. Primarily for students desiring to write Master's theses. *D, I. 3 s.h.* MR. JACKSON

FRENCH

S3. French Prose.—Grammar review, dictation, reading and translation of selected works of modern French authors. *B, II. 3 s.h.*

MISS RAYMOND
[Prerequisite, French 1 and 2, or two years of high school French.]

S4. French Prose.—Dictation, verb drill, reading and translation of modern French authors. *D, II. 3 s.h.* MISS RAYMOND

[Prerequisite, French S3 or equivalent.]

S51. Introduction to French Literature.—The classical period, and the eighteenth century. *A, I. 3 s.h.* MR. BRIDGERS

[Prerequisite, French S3 and S4 or equivalent.]

S52. Introduction to French Literature.—The nineteenth century, with reference chiefly to the movements of romanticism and realism. *C, I. 3 s.h.* MR. BRIDGERS

S214. Nineteenth Century French Drama.—Drama from the Romantic period to the close of the century. *C, III. 3 s.h.* MR. B. R. JORDAN

S218. The Teaching of French.—A survey of the methods of teaching French in the high school and the study of standard texts. Training in the use of the material to develop the command of the language and to broaden the teaching equipment. *C, I. 3 s.h.* MR. WEBB

S230. Seminar: Diderot and the Encyclopédistes.—*B, I. 3 s.h.*
MR. COWPER

S240. Survey of French Civilization.—*A, I. 3 s.h.* MR. WEBB

S350. Seminar in Nineteenth Century French Criticism.—A course dealing primarily with Sainte-Beuve and Taine. *A, III. 3 s.h.*
MR. B. R. JORDAN

GERMAN

S1. Elementary German.—Pronunciation, grammar, and translation; dictation, easy prose, and poetry. *B, D, I (first three weeks). 3 s.h.*
MR. MAXWELL

S2. Elementary German.—Pronunciation, grammar, and translation; dictation, easy prose, and poetry. *B, D, I (second three weeks). 3 s.h.*
MR. MAXWELL

S3. Intermediate German.—Grammar and composition; dictation, spoken German; reading of narrative and dramatic prose. *A, I. 3 s.h.*
MR. F. E. WILSON

S4. Intermediate German.—Grammar and composition; dictation; spoken German; reading of narrative and dramatic prose. *C, I. 3 s.h.*
MR. F. E. WILSON

S109. German Prose Fiction.—Origin and development of the German novel; reading and discussion of typical selections from representative authors of the various literary movements of the nineteenth century. Lectures and reports. *A, III. 3 s.h.* MR. KRUMMEL

S110. German Prose Fiction.—Reading and discussion of typical selections from representative authors of the various literary movements of the nineteenth century. Lectures and reports. *C, III. 3 s.h.*
MR. KRUMMEL

GOVERNMENT

See courses listed under Economics and Political Science.

HISTORY

S91. American History to 1828.—A rapid survey of the Colonial and Revolutionary periods followed by a more intensive study of the National period down to the beginning of Jackson's administration. *B, III. 3 s.h.*
MR. MABRY

S92. American History, 1828-1865.—A survey of national expansion, sectional rivalry, railway extension, slavery, political parties, international relations, and the Civil War. *D, III. 3 s.h.* MR. MABRY

S101. Development of Western European Civilization to About 800 A.D.—A study of the development in Western Europe of the familiar institutions and culture of modern society, as developed from ancient times down to the period of Charlemagne. *B, I. 3 s.h.* MR. MANCHESTER

S102. Development of Western European Civilization from 800 to 1500 A.D.—A continuation of course S101. By permission of the instructor properly qualified students may enter this course concurrently with S101. *D, I. 3 s.h.* MR. MANCHESTER

S205. The Formation of the English Constitution.—The course will deal with the structure of the English government as it developed through the formative period lying between the Norman Conquest in 1066 and the Glorious Revolution of 1688. *B, III. 3 s.h.* MR. CRAVEN

S207. British American Colonial History.—Background of the significant waves of English settlement, international contest for title, economic policy and problems, questions and transitions in government from the London Company to the Albany Congress, vestiges of colonial politics and political theory in contemporary institutions, imperial rivalry, and the more important aspects of colonial social life. *A, III. 3 s.h.*

MR. LANNING

S209. American Constitutional History, 1783-1820.—This course is designed to trace the evolution of the institutions described in the Constitution during the period of their establishment. Attention is also paid to constitutional interpretation in the early years of the Supreme Court culminating with the decisions of Chief Justice Marshall. A considerable amount of time will be spent analyzing the development of certain extra constitutional features of the new government, especially the growth of parties. *C, I. 3 s.h.*

MR. NICHOLS

[Not offered unless as many as twenty students enroll. Either 209 or 310 will be offered.]

S210. American Constitutional History, 1850-1877.—A study of the constitutional questions involved in the war between the states and in reconstruction with particular emphasis upon the social and political background of these conflicts. The course is designed to show how a veneer of constitutional principles has hidden from view certain social conditions and political manipulations, thus obstructing the search for real causes of the difficulty. *A, I. 3 s.h.*

MR. NICHOLS

S217. Europe, 1870-1914.—International relations since the Franco-German War; special emphasis upon the underlying economic and political influences, with emphasis upon England. *B, I. 3 s.h.* MR. HALE

S226. The South in Federal Politics, 1789-1860.—In this course stress will be laid upon the legal, constitutional, military, diplomatic and interstate phases of Southern history. *B, II. 3 s.h.* MR. BONHAM

S228. The Growth of the Modern British Empire.—The purpose of the course is to explain the origins of the present British Empire. An attempt will be made to trace the development of English interests in India and Africa, to study the nature and causes of modern imperialism, and to follow the development of the Commonwealth of Nations. *D, III. 3 s.h.* MR. CRAVEN

S231. The Hispanic Colonies of the New World.—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines. *C, III. 3 s.h.* MR. LANNING

S243. Tudor and Stuart England.—Economic developments in the early Tudor period, social and economic results of the dissolution of the monasteries, economic and cultural status of the Elizabethan nobility, English contributions to scientific discoveries at the beginning of the seventeenth century, the rise and decline of witchcraft persecutions in the Stuart period, and England's contacts with foreign countries through her trade relations. Lectures, readings, and reports. Students will be held responsible for a general knowledge of the political history of the period, although this phase of the subject will not be emphasized in the lectures. *D, I. 3 s.h.* MR. HALE

S310. Seminar in American Constitutional History, 1850-1877.—Studies and reports in the conflict of personalities, especially among the politicians, and the development of public opinion, especially as illustrated by the press of this period. *C, I. 3 s.h.* MR. NICHOLS
[Not offered unless as many as eight students enroll.]

S314-315. Seminar in Southern History.—Selected topics in the development of the South Atlantic Region. Students who have selected thesis subjects in Southern history should enroll in this course for supervision. Other students may enroll for course credit either for half-schedule or full schedule according to the nature of the problem chosen for investigation and the amount and quality of research done. *C, I. 3 or 6 s.h.* MR. BOYD

S325. Seminar in the History of the Old South.—Special topics covering the various phases of Southern ante-bellum development will be considered. (Open to students taking S226 or equivalent.) *D, II. 3 s.h.* MR. BONHAM

LATIN

S216. Historical Syntax of Latin.—Study of the fundamental problems in the development and use of the cases, tenses, and moods. Brief introduction dealing with the origin and development of studies in syntax. *B, II, 3 s.h.* MR. ANDERSON

S222. Roman Comedy: Plautus.—Four plays selected from the following: *Bacchides, Mercator, Mostellaria, Pseudolus, Rudens, Trinummus.* (This course does not duplicate Latin S221 offered in the summer of 1932.) *C, II, 3 s.h.* MR. ANDERSON

S300X. Thesis Course.—Consultations; supervision of theses already in progress. The course lasts three weeks, and carries three hours of residence credit only. *First three weeks, I.* MR. ROSBOROUGH

(Open only by permission of the instructor to those students who have completed at least twelve semester-hours graduate work in Latin and have started theses. Enrollment limited to ten students.)

MATHEMATICS

For admission to candidacy for the Master's degree in Mathematics students must have completed courses S55 and S100 and at least six semester-hours of courses numbered above 200. After admission to candidacy the student is required to meet the same requirements for the Master's degree as in other departments. (See pages 15 to 19, this bulletin.) All of the graduate courses listed for the summer of 1934 have S55 as a prerequisite, and all require S100 except S250 and S259.

S3. Elementary Mathematical Analysis.—A unified course treating elementary topics in mathematics. *A, C, I (first three weeks), 3 s.h.*

MR. GREENWOOD

[Not offered unless as many as twelve students enroll.]

S4. Elementary Mathematical Analysis.—A unified course treating elementary topics in mathematics. *A, C, I (second three weeks), 3 s.h.*

MR. GREENWOOD

[Not offered unless as many as twelve students enroll.]

S50. Plane and Solid Analytic Geometry.—*B, I, 3 s.h.* MR. PATTERSON

[Not offered unless as many as ten students enroll.]

S55. Differential Calculus.—*D, I, 3 s.h.* MR. PATTERSON

[Not offered unless as many as ten students enroll.]

S100. Integral Calculus.—*C, I, 3 s.h.* MR. PATTERSON

[Not offered unless as many as ten students enroll. Not more than two courses from S50, S55, and S100 will be offered.]

S194. The Teaching of Mathematics.—Designed primarily for those who intend to teach mathematics. Recent changes in methods of studying mathematics; careful study of the report of the national committee on "The Reorganization of Mathematics in Secondary Education"; wide investigation into the literature on mathematics; coördination of geometry and algebra in junior high school mathematics; etc. *A, II.* 3 s.h.

MR. W. W. RANKIN

S201. History of Mathematics.—This course deals with the evolution of the following topics: number system, arithmetic, geometry, algebra, trigonometry, analytical geometry, calculus, modern geometry. Brief sketches of the lives of the builders of mathematics will be given. *C, II.* 3 s.h.

MR. W. W. RANKIN

S231. Differential Equations.—A study of the more common types of ordinary differential equations. *A, I.* 3 s.h.

MR. ELLIOTT

S250. Modern Geometry.—Modern geometry of the triangle, transversals, harmonic sections, harmonic properties of the circle, inversions, poles, polars, etc. Valuable to teachers of high school geometry. *B, I.* 3 s.h.

MR. MILES

S259. Analytic Geometry of Space.—The usual topics treated in cartesian and homogeneous coördinates. *C, III.* 3 s.h.

MISS DALE

S275. Probability.—Introductory course. Combinatory analysis, mean values, Bernoulli's theorem, the probability integral, statistics. *D, I.* 3 s.h. (Students enrolling for this course should leave period C open.)

MR. MILES

S280. Fourier's Series and Spherical Harmonics.—The properties of Fourier's series and spherical harmonics with application to problems of mathematical physics. *B, III.* 3 s.h.

MISS DALE

S330. Theory of Functions of a Complex Variable.—Study of analytic functions; conformal representation; the theory of infinite series and products with application to hyperbolic and Gamma functions, study of double periodic functions. *A, III.* 3 s.h.

MR. CARLITZ

S300X. Thesis Seminar.—Students may register for thesis work in either term. Thesis subjects for Master's candidates will be approved and reading supervised. Students expecting to complete a thesis during the summer should not wait until the third term to begin. All students desiring to register for thesis work in mathematics during the summer should correspond with Professor Elliott during the spring semester. *Schedule to be arranged, III.* 3 s.h.

MR. CARLITZ

S340. Integral Equations.—A study of the Volterra and Fredholm integral equations with special reference to their application to boundary problems of differential equations. *C, I.* 3 s.h. (Students enrolling in this course should leave period B open.)

MR. ELLIOTT

PSYCHOLOGY

S209. Advanced Laboratory Psychology.—An introduction to experimental techniques, with emphasis on individual laboratory problems. *Laboratory 2:30 to 5:30 daily, I. 3 s.h.* MR. ZENER

S215. Child Psychology.—A study of experiments bearing upon the structure of the psychological person and of its psychological environment, and the character of the changes they undergo in the course of maturation, together with certain implications of these changes for the mental hygiene and pedagogy of childhood. Discussions of theory of compensation, psychological induction, learning, and various other phenomena. Lectures, with motion picture demonstrations of environmental changes in child behavior and development. *B, III. 3 s.h.* MR. ADAMS

S216. Comparative Psychology.—Studies of animal learning at various phylogenetic levels, requiring the treatment of certain fundamental concepts such as that of instinct, regulation, tropisms, animal motivation, etc. Lectures, motion picture demonstration. *D, III. 3 s.h.* MR. ADAMS

S226. Contemporary Schools of Psychology.—The approach and contribution of the different contemporary schools to the fundamental problems of psychology. They will be considered with reference to the historical background from which they emerged. *A, I. 3 s.h.*

MR. ZENER

RELIGION

S51. The English Bible.—Survey of the contents of the historical and prophetic books of the Old Testament with particular reference to literary, historical, and religious values. *B, II. 3 s.h.* MR. SPENCE

S52. The English Bible.—Study of the Psalms, wisdom literature, and the literature of the New Testament with special attention given to literary, historical, and religious values. *D, III. 3 s.h.* MR. ORMOND

S282. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. *A, III. 3 s.h.* MR. CANNON

(This course does not duplicate S282 as offered in the summer of 1933.)

S283. Expansion of Christianity.—Apostolic missions, conquest of the Roman Empire, winning of northern Europe, the modern missionary era, status of missionary work in important areas, social aspects of missions, missionary biography. *C, III. 3 s.h.* MR. CANNON

SOCIOLOGY

S206. Criminology.—A study of the original tendencies of man and the problems of socializing these tendencies; the relation of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. *B, I. 3 s.h.* MR. JENSEN

S277. Emigration and Immigration.—A study of territorial movements of population with especial reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organization in the New World; problems, agencies and processes of assimilation. *D, I.* 3 s.h. MR. JENSEN

SPANISH

S1. Elementary Spanish.—Pronunciation; grammar to include the regular conjugations and more common irregular verbs; early reading of simple prose. *B, D, I (first three weeks).* 3 s.h. MR. G. DAVIS

S2. Elementary Spanish.—Continuation of course S1; completion of regular and irregular verbs, the subjunctive mood; dictation; composition; reading of cultural material and short stories of easy grade. *B, D, I (second three weeks).* 3 s.h. MR. G. DAVIS

S67. Spanish-American Literature.—Study of representative excerpts from the history, poetry, legends, and tales of the colonial period; collateral readings and reports. *A, I.* 3 s.h. MR. LUNDEBERG

(Prerequisite, two years of college Spanish or equivalent. Students who have had courses 65 and 66 as regularly offered will be permitted to enroll in S67 and S68 for additional credit.)

S68. Spanish-American Literature.—Study of literary trends of the past fifty years, with special emphasis on the *modernista* movement; collateral readings and reports. *C, I.* 3 s.h. MR. LUNDEBERG
(Prerequisite, same as Spanish S67).

ZOOLOGY

Students who complete Masters' theses in Zoölogy after June 1, 1934, are expected to have credit for at least one seminar such as course S355 listed below. It will be observed that the work in Zoölogy makes it possible for graduate students to obtain six semester-hours of credit by entering proper courses June 8 or June 29, or to obtain nine semester-hours of credit by entering courses beginning June 8 or June 29. Students entering June 8 and continuing through the summer quarter may obtain a maximum of twelve semester-hours of credit.

S1. General Zoölogy.—A survey of the invertebrates, including a study of structures and their functions, as well as the life histories and relationships of the non-chordates. *Lectures and quiz daily, laboratory daily; 8:10-12:00, and 2:30-4:30 (first three weeks).* I. 4 s.h.
MR. CUNNINGHAM AND MR. GRAY

S2. General Zoölogy.—A survey of the vertebrates and a study of the general principles of animal biology. Prerequisite, Zoölogy 1. *Lectures and quiz daily, laboratory daily, 8:10-12:00, and 2:30-4:30 (second three weeks).* I. 4 s.h.
MR. GRAY AND MR. HOPKINS

S220. Special Problems in Physiology.—Individual problems from the field of animal physiology may be selected. *Schedule to be arranged, II.* **2-6 s.h.**
MR. F. G. HALL

S274. Comparative Invertebrate Zoölogy.—A comparative study of structure, habits, and classification of the invertebrates. Laboratory work consisting of collections, dissections, and a systematic study of the different species. Most of the collections will be made locally; but if feasible a trip to the coast will be undertaken for the purpose of observing marine forms. *Schedule to be arranged, first three weeks, I.* **3 s.h.**
MR. HOPKINS

S292. General Embryology.—The fundamental principles of embryology based upon the frog, chick, and mammal. Prerequisite, one year of zoölogy. *Schedule to be arranged, (second three weeks), III.* **3 s.h.**
MR. CUNNINGHAM

S321. General Physiology.—Comparative study of functions of all animals and a more detailed study of the physiological processes in vertebrates. Lectures, laboratory, and conferences. *Schedule to be arranged, II.* **3 s.h.**
MR. F. G. HALL
(Enrollment limited to fourteen students.)

S355. Seminar.—A presentation of some of the problems with which physiologists have been concerned during recent years. *Schedule to be arranged, II.* **1 s.h.**
MR. HALL

[For Public School Drawing, Industrial Art, and Music, and for courses in Physical and Health Education, see pages 40 and 41 this bulletin.]

Announcement

JUNALUSKA SUMMER SCHOOL, INC.

(AFFILIATED WITH DUKE UNIVERSITY)

and

JUNALUSKA SCHOOL OF RELIGION
LAKE JUNALUSKA, N. C.

PAUL NEFF GARBER, A.B., A.M., Ph.D.,
DIRECTOR OF THE SUMMER SCHOOL.

INSTRUCTORS

BRANSCOMB, BENNETT HARVIE; A.B., Birmingham-Southern;
B.A., M.A. (Oxon.); Ph.D., Columbia University; RELIGION (Duke
University).

CLARK, ELMER TALMAGE; A.B., Birmingham-Southern; M.A.,
George Peabody College; B.D., S.T.D., Temple University; LL.D.,
Southern College; RELIGION (Assistant Secretary, Board of Missions,
Methodist Episcopal Church, South).

GARBER, PAUL NEFF; A.B., Bridgewater; A.M., Ph.D., University
of Pennsylvania; RELIGION (Duke University).

MCDONALD, RALPH WALDO; A.B., Hendrix; M.Ed., Ph.D.,
Duke; EDUCATION (Salem College).

McEWEN, NOBLE RALPH; A.B., Birmingham-Southern; A.M.,
Duke; Duke, 1930-32; EDUCATION (Salem College).

MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston Uni-
versity; RELIGION (Duke University).

OOSTING, HENRY JOHN; A.B., Hope College; M.S., Michigan
State; Ph.D., Minnesota University; FIELD BOTANY (Duke Uni-
versity).

SMITH, HILRIE SHELTON; A.B., Elon; A.M., B.D., Ph.D., Yale;
RELIGION (Duke University).

WARREN, CLARENCE SHAW; A.B., Duke; EDUCATION (Superin-
tendent of Lenoir City Schools).

WIGGINS, ROBERT LEMUEL; A.B., A.M., Vanderbilt; Ph.D., Uni-
versity of Virginia; ENGLISH (Wesleyan College).

ANDERSON, LEWIS EDWARD; B.S., Mississippi State; A.M.,
Duke; ASSISTANT IN FIELD BOTANY (University of Pennsylvania).

BUSINESS MANAGER

JAMES R. BOYD,
Waynesville, North Carolina.

CALENDAR

The Junaluska Summer School, Inc., and the Junaluska School of Religion will open June 8 and close July 19. Recitations will be held five days in the week, all Mondays except June 18 and July 9 being holidays. Wednesday, July 4, will be observed as Independence Day.

REGISTRATION

Thursday, June 7, is reserved for the registration of students from Haywood County; Friday, June 8, is registration day for all other students. This day, between the hours of 9 a.m. and 5 p.m., will be allowed for students to register, select courses, and make arrangements concerning board and lodging. Regular classes will meet at 8:15 Saturday morning, and recitation work will begin at once. Students are advised against late entrance, since this very seriously affects school work as well as credits that may be obtained.

All applicants for admission must have completed a high school course. As evidence of this, a teacher's certificate of grade as high as North Carolina State elementary will be accepted from teachers with two or more years of experience. Certificates of high school graduation and other credentials should be submitted to the Director at the time of registration.

JUNALUSKA SCHOOL OF RELIGION

The seventh session of the Junaluska School of Religion, which is conducted under the joint management of Duke University and the Board of Christian Education with the cooperation of the Board of Missions and other boards of the Methodist Episcopal Church, South, will be conducted as the Department of Religion in the Junaluska Summer School for the summer of 1934, its opening and closing dates being the same as for the other departments. In addition to the undergraduate credits offered by the other departments, Junaluska

School of Religion will offer credits counting toward the B.D. degree. The work in Religion is designed for pastors, church workers, missionaries, and students who desire to fit themselves the better for their work or to obtain credits looking toward the securing of university degrees.

COURSES OFFERED

Professional courses are offered for teachers in elementary school, teachers of primary grades and of grammar grades, and teachers of high school subjects, for freshman and sophomore students in colleges and for students desiring somewhat more advanced work in the field of religion.

For qualified college students, instruction will be offered in botany, education, English, and religion. Credit is allowed toward the A.B. degree at Duke University for these courses, credit toward the A.M. degree for the course in field botany, and credit toward the B.D. degree for the advanced courses in religion.

COURSE IN FIELD BOTANY

Special courses in field botany will be offered to public school teachers of nature study, high school teachers of botany and biology, and to qualified college students. The courses are unique in that they will consist of a careful survey of the plant life found in the mountains of western North Carolina. Frequent excursions and field trips will be made to Mount Mitchell, Mount Pisgah, the famous Pink Beds, and other sections abundant in unusual flora. A considerable amount of time will be spent in the new Great Smoky Mountain National Park area.

High school teachers and elementary school teachers of botany and related subjects will find ample opportunity for extensive study in this attractive field with either undergraduate or graduate credit.

ROOM AND BOARD

The hotels and lodging places on the Junaluska Assembly Grounds at Lake Junaluska have guaranteed summer school students board and room at the special rate of \$7.50 per week, with bed-linen furnished. Room and board may be obtained

by a limited number of applicants in the Mission Building, the summer school headquarters, at a slightly higher rate. Further information relative to board and room may be obtained by addressing J. R. Boyd, Business Manager, Waynesville, North Carolina, or James Atkins, Jr., The Junaluska Assembly, Lake Junaluska, N. C.

FEES AND EXPENSES

Tuition charge for college students other than teachers is \$10.00. Teachers are exempt from tuition, as are also ministerial students who register in the Junaluska School of Religion. Expenses may therefore be estimated by teachers and School of Religion students as follows:

Registration	\$20.00
Room and Board	45.00
Library and Recreation Fee	2.00
	\$67.00

To this should be added about \$5.00 for books and probably \$5.00 for miscellaneous expenses, besides the tuition charge for students other than teachers. Since Haywood County contributes toward the registration fees of its teachers, Haywood County teachers pay only six dollars of the total registration fee.

FURNISHED COTTAGES

There are available for rent during the summer season several desirable private cottages within a few minutes walk of the summer school. These cottages are furnished with water and lights and are equipped for housekeeping. For those who prefer to live with a small group, these cottages will prove very attractive. They may be rented at very reasonable rates either for the six weeks' period of the summer school or in many cases for the whole summer. For detailed information as to rates and other particulars write Mr. James Atkins, Jr., The Junaluska Assembly, Lake Junaluska, N. C.

COURSES OF INSTRUCTION

(*Note.* In the description of courses the following abbreviations occur: *Period A* means that the course comes the first eighty minutes daily, beginning at 8:15; *Period B* means that the course comes at the eighty-minute period beginning at 9:45; *Period D* means that the course meets an eighty-minute period daily, beginning at 11:45. All courses carry three semester hours' credit unless otherwise specified.)

BOTANY

S225. Field Botany.—The aim of this course is to present to the students a first-hand knowledge of plants in their native habitats. The field work will be done in the mountain areas of Western North Carolina and will include the Pisgah Forest and Smoky Mountain sections. The course will consist of practice in the identification of plants in the field and a study of their natural history and associations. Field trips daily, also lectures, readings, reports, etc. *Credit, 4 or 6 semester-hours for A.B. or A.M. degree. Hours to be arranged.*

MR. OOSTING AND MR. ANDERSON

S52. Field Botany.—Identical with Education S52. MR. ANDERSON

EDUCATION

S10. General Course in Elementary Method.—A survey of the work of the teacher. The course treats the qualifications and training of teachers, nature and aims of education, nature and purpose of school curricula, modern classroom procedure in teaching. *11:45 daily. 2 s.h.*

MR. WARREN

S52. Materials and Methods in Nature Study.—A course primarily for elementary teachers emphasizing field botany. *Schedule to be arranged. 3 s.h.*

MR. ANDERSON

S111. Primary Methods in Language and Reading.—A study of materials and methods in the mother-tongue. Not open for enrollment to students who have had credit for course 23P or 35P of the North Carolina "Uniform Curricula." [Old number S102.] *8:45 daily. 2 s.h.*

MR. McDONALD AND MR. McEWEN

S121. Grammar Grade Methods in Reading and Language.—A study of materials and methods in the language and reading of the grammar grades. *11:45 daily. 2 s.h.*

MR. McDONALD AND MR. McEWEN

S122. The Teaching of Primary Numbers.—A special section of S127 for primary teachers. *9:45 daily. 2 s.h.*

MR. McDONALD AND MR. McEWEN

S127. The Teaching of Arithmetic in Grammar Grades.—A course designed to acquaint the teacher with the best methods of teaching arithmetic which have evolved from more than a decade of research and experimentation; emphasis upon the actual teaching process under normal class-

room conditions, with special attention to problem solving; brief survey of the work of the primary grades is also given. *8:45 daily. 2 s.h.*

MR. WARREN

S147. Children's Literature: Grammar Grade Section.—A critical study of literature for grammar grades. *9:45 daily. 2 s.h.*

MR. WARREN

See also **Religion S269, Character Education and the State**, listed below.

ENGLISH

S63. English Poetry, 1832-1900.—A survey of Wordsworth, Tennyson, and Browning. *Period B.*

MR. WIGGINS

S64. English Poetry, 1832-1900.—A survey of Victorian poetry other than that of Wordsworth, Tennyson, and Browning. *Period D.*

MR. WIGGINS

RELIGION

FOR SENIORS AND GRADUATES

S218A. The Religious Ideas of the Apostle Paul.—A study of the thought of the Apostle, based particularly on the Epistles to the Galatians, the Corinthians, and the Romans. *Period D.*

MR. BRANSCOMB

S211A. The Life and Teachings of Jesus.—A study of the activity and sayings of Jesus in light of the social and religious situation in Palestinian Judaism of the first century. An endeavor is made to understand the methods and objectives of Jesus' ministry and the content and significance of his teaching. *Period B.*

MR. BRANSCOMB

S235. Great Men of the Christian Church.—A study of outstanding individuals who have influenced the thought and program of the Christian Church. The life, work and contributions of about twenty modern American Christian leaders. *Period B.*

MR. GARBER

S242. Sermon Construction.—A study of problems in sermon construction and points of psychological contact between the preacher and his congregation. The class work will involve a critical analysis of selected sermons, with written reports. *Period A.*

MR. MYERS

S269. Character Education and the State.—A study of the state as character educator, involving a critical examination of the ethical philosophy of the secular state, and of the modern theories and practices of character education. *Period A.*

MR. SMITH

FOR UNDERGRADUATES ONLY

S51. The History of the Hebrew People.—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contribution to civilization. *Period B.*

MR. MYERS

S181. Modern Christian World Problems.—A survey of recent developments in international affairs and their significance for Christian missions; especial attention will be given to problems involving interracial relations, industry, and the present international situation in the Orient.
Period A.

MR. CLARK

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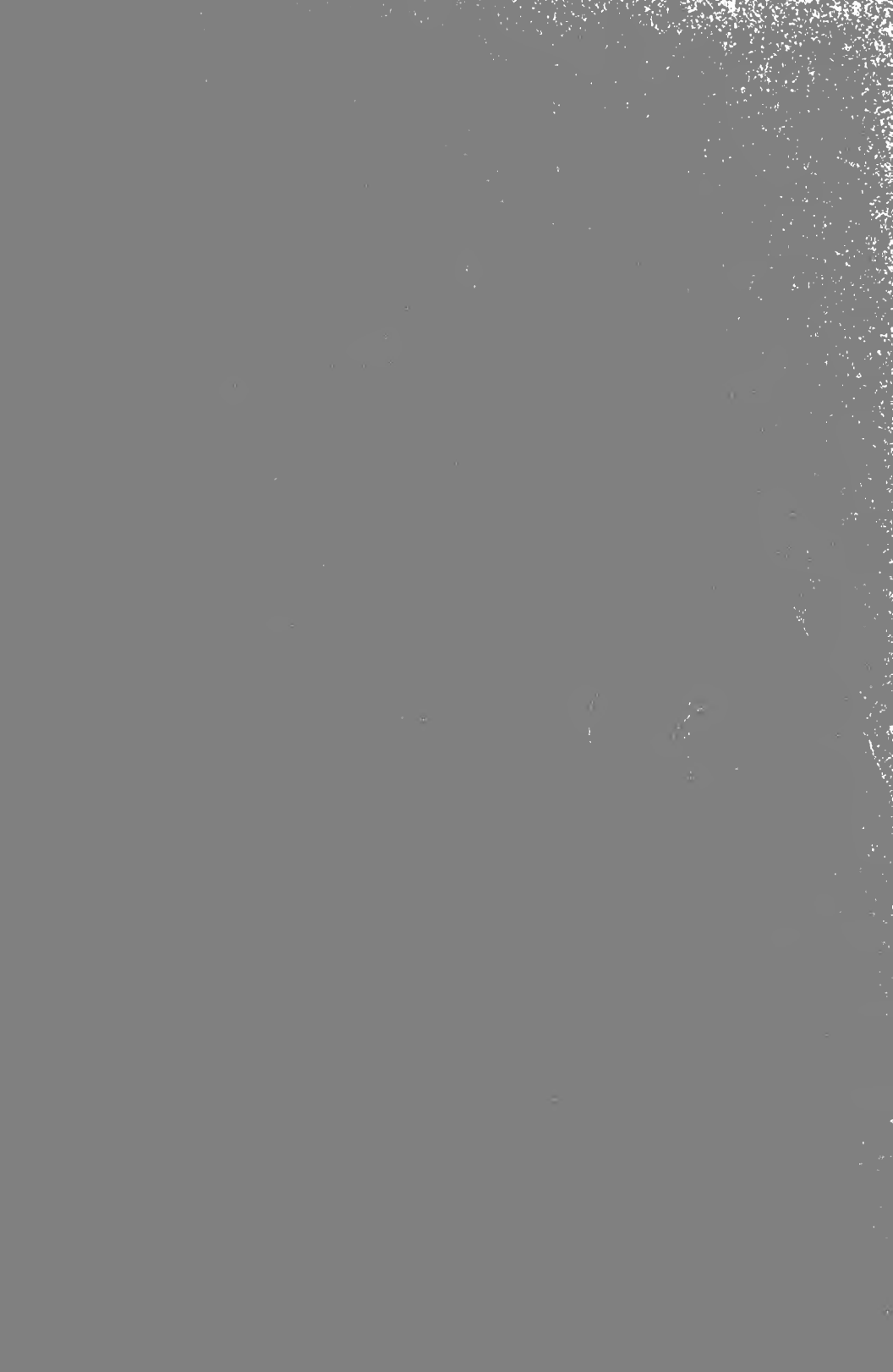
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BULLETIN
OF
DUKE UNIVERSITY

Vol. 6

MARCH, 1934

No. 3

UNDERGRADUATE INSTRUCTION
(Trinity College and the Woman's College)



1933-1934

ANNOUNCEMENTS FOR 1934-1935

PUBLISHED BY DUKE UNIVERSITY
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AT DURHAM, N. C., UNDER ACT OF AUGUST 24, 1912

ANNUAL CATALOGUES AND BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

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BULLETIN
OF
DUKE UNIVERSITY



UNDERGRADUATE INSTRUCTION
(Trinity College and the Woman's College)

1933-1934

ANNOUNCEMENTS FOR 1934-1935

DURHAM, NORTH CAROLINA
1934



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UNIVERSITY CALENDAR

1934

- June 7. Thursday—Registration of students for Summer School, first term.
- June 8. Friday—Instruction begins for Summer School, first term.
- June 29. Friday—Instruction begins for Summer School, middle term.
- July 4. Wednesday—Independence Day—A holiday.
- July 18-19. Wednesday-Thursday—Final examinations for Summer School, first term.
- July 20. Friday—Registration of students for Summer School, second term.
- July 21. Saturday—Instruction begins for Summer School, third term.
- Aug. 30-31. Thursday-Friday—Final examinations for Summer School, third term.
- Sept. 13. Thursday, 9 A.M.—Dormitories open to freshmen.
- Sept. 13. Thursday, 8 P.M.—Assembly for all entering freshmen. Freshman orientation program begins.
- Sept. 15. Saturday, 4 P.M.—First regular faculty meeting of the academic year.
- Sept. 17. Monday, 5 P.M.—First regular meeting of the Freshman Faculty.
- Sept. 18. Tuesday—Freshman instruction begins.
- Sept. 18. Tuesday—Registration and matriculation of new students with advanced standing.
- Sept. 19. Wednesday, 11 A.M.—Formal opening of college. Registration of matriculated students.
- Sept. 20. Thursday—Instruction for sophomores, juniors, and seniors begins.
- Sept. 20. Thursday, 9 A.M. to 1 P.M., 2:30 P.M. to 4 P.M., Friday, 9 A.M. to 1 P.M., 2:30 P.M. to 5 P.M., Saturday, 9 A.M. to 1 P.M.—Registration of graduate students.
- Nov. 11. Sunday—Armistice Day.
- Nov. 29. Thursday—Thanksgiving Day—A holiday.
- Dec. 11. Tuesday—Duke University Day—Not a holiday.
- Dec. 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

- Jan. 3. Thursday, 8:20 A.M.—Instruction is resumed.
- Jan. 19. Saturday—Mid-year examinations begin.
- Jan. 30. Wednesday—Last day for matriculation for second semester.
- Jan. 31. Thursday—Second semester begins.
- Feb. 22. Friday—A holiday.
- March 27. Wednesday, 1 P.M.—Spring vacation begins.
- April 3. Wednesday, 8:20 A.M.—Instruction is resumed.
- April 15. Monday—Last day for submitting orations for Wiley Gray Contest.
- April 30. Tuesday—Last day for selection of courses for ensuing year.
- May 22. Friday—Final examinations begin.
- June 2. Sunday—President's address to graduating class.
- June 3. Monday—Annual meeting of the Board of Trustees.
- June 3. Monday—Annual meeting of the Alumni and Alumnae Councils.
- June 3. Monday evening—Organ Recital.
- June 4. Tuesday morning—Commencement sermon.
- June 4. Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business meeting of the Alumnae Association.
- June 4. Tuesday evening—Reception in honor of the graduating class.
- June 5. Wednesday morning—Commencement address.
- June 5. Wednesday afternoon—Graduating exercises.
- June 5. Wednesday afternoon at sunset—Lowering of the Flag by the graduating class.

1934

JANUARY	APRIL	JULY	OCTOBER
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1935

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* Deceased.

PICKETT, MRS. SYCHO, A.B.	3 Powe Apartments
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SEABOLT, LOUISE, A.B., A.M. <i>Recorder, Woman's College</i>	407 Watts Street
GLASSON, WILLIAM HENRY, Ph.B., Ph.D. <i>Dean of the Graduate School of Arts and Sciences</i>	710 Euclanian Road
RANKIN, ROBERT STANLEY, A.B., A.M., Ph.D. <i>Assistant Dean of the Graduate School</i>	1025 Monmouth Avenue
MILLER, JUSTIN, A.B., LL.B., J.D. <i>Dean of the School of Law</i>	West Campus
DEAN, GORDON EVANS, A.B., J.D., LL.M. <i>Assistant to the Dean of the Law School</i>	2607 Chapel Hill Street
HOLTON, HOLLAND, A.B., J.D. <i>Director of the Summer School</i>	809 Watts Street
*RUSSELL, ELBERT, A.B., A.M., Ph.D. <i>Dean of the School of Religion</i>	811 Vickers Avenue
GARBER, PAUL NEFF, A.B., A.M., Ph.D. <i>Registrar of the School of Religion</i>	West Campus
DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D. <i>Dean of the School of Medicine</i>	Hope Valley
BAKER, BESSIE, R.N., B.S. <i>Dean of the School of Nursing</i>	Nurses Home
KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. <i>Director of the Duke Forest</i>	908 West Markham Avenue
MAUGHAN, WILLIAM, B.S., M.F. <i>Assistant Director of the Duke Forest</i>	2307 Club Boulevard

INSTRUCTIONAL STAFF

The date denotes the first year of service.

ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. <i>Assistant Professor of Psychology</i>	1017 Rose Hill Avenue
ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D. <i>Assistant Professor of Botany</i>	214 Faculty Apartments, East Campus
ALDRIDGE, FRED SOULE, (1922) A.B., A.M. <i>Assistant Professor of Mathematics</i>	East Campus
ALYEA, EDWIN PASCAL, (1930) S.B., M.D. <i>Associate Professor of Urology</i>	1019 Markham Avenue
ANDERSON, ANDREW RUNNI, (1929) A.B., Ph.D. <i>Professor of Latin</i>	2404 Club Boulevard

* On leave, 1933-1934.

- ANDERSON, WILLIAM BANKS, (1930) A.B., M.D.
Assistant Professor of Oto-Laryngology 6 Beverly Apartments
- BAKER, BESSIE, (1930) B.S., R.N.
Dean of the School of Nursing and Professor of Nursing Education Nurses Home
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.
Associate Professor of History East Campus
- BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.
Professor of English 103 Faculty Apartments, East Campus
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D.
Assistant Professor of Physiology and Pharmacology University Drive
- BERNHEIM, MARY LILAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D.
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Assistant Professor of Chemistry
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E. 1209 Virginia Avenue
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- BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A.
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Assistant Professor of English 1028 Gloria Avenue
- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D. 1305 B Street
Professor of Botany
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A., M.A., B.C.L.
Professor of Law Hope Valley
- **BOYD, WILLIAM KENNETH, (1906) A.B., A.M., Ph.D.
Professor of History Hope Valley
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- BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D.
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- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M.
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- BROWN, FRANCES, (1931) A.B., Ph.D. 1107 Minerva Avenue
Instructor in Chemistry
- BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D. 410 Buchanan Road
Professor of English
- BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D. Hope Valley
Professor of Educational Psychology

* On leave as Exchange Professor in University of Edinburgh, 1933-1934.

** On leave, spring, 1934.

- BRUTON, PAUL WESLEY, (1932) A.B., LL.B., J.S.D.
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- BRYSON, THADDEUS DILLARD, (1928)
Professor of Law Hope Valley
- CAMPBELL, NEIL, (1933) Ph.D. Duke University
Exchange Lecturer in Chemistry, from University of Edinburgh
- CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M. Hope Valley
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- CARLITZ, LEONARD, (1932) A.B., Ph.D. 6 Bickett Apartments
Assistant Professor of Mathematics
- CARPENTER, DAVID WILLIAMS, (1929) A.B., M.A., Ph.D.
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- CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.
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Professor of Obstetrics and Gynecology
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- *CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.
Assistant Professor of Physics 1011 Monmouth Avenue
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.
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- CRUM, MASON, (1930) A.B., Ph.D. 1308 College Road
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- CUNNINGHAM, BERT, (1916) B.S., M.S., A.M., Ph.D. 1200 College Road
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* On leave, 1933-1934.

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- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D. Hope Valley
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- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.
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Professor of Pathology
- FULLER, LON, (1931) A.B., J.D. Hope Valley
Professor of Law
- FULLER, WARNER, (1932) B.S., LL.B. 418 Carolina Circle
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Professor of Church History
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- GREENWOOD, JOSEPH, (1930) A.B., A.M., Ph.D. Nation Avenue
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Professor of Medicine
- HANSEN-PRÜSS, OSCAR CARL EDWARD, (1930) A.B., M.D.
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- HARVILL, RICHARD ANDERSON, (1932) B.S., A.M., Ph.D.
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Instructor in Chemistry 2119 Club Boulevard
- HERRING, HERBERT JAMES, (1924) A.B., A.M.
Instructor in Public Speaking 101 Erwin Apartments
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Associate Professor of Anatomy Hope Valley
- HICKMAN, FRANKLIN SIMPSON. (1927) A.B., A.M., S.T.B., Ph.D.
Professor of Psychology of Religion 1308 College Road
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Assistant Professor of Mathematics Nation Avenue
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.
Instructor in Chemistry 507 Watts Street
- HOLTON, HOLLAND, (1912) A.B., J.D.
Professor of the History and Science of Education 809 Watts Street
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D.
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- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.
Professor of English Pinecrest Road
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- JONES, ROBERT RANDOLPH, JR., (1930) A.B., M.D.
Assistant Professor of Surgery Duke Hospital
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.
Assistant Professor of English Faculty Club, East Campus
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.
Professor of Romance Languages Pinecrest Road
- KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.
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Instructor in Botany 1011 Monmouth Avenue
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.
Professor of German 2118 Englewood Avenue

- LANDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.
Assistant Professor of Economics and Economic Geography 1214 Sixth Street
- LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.
Instructor in History 406 Erwin Apartments
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.
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- LEHMAN, JACOB STAUFFER, (1933) B.S., M.D.
Instructor in Roentgenology Duke Hospital
- LEMERT, BEN FRANKLIN, (1930) B.S.E., M.A., Ph.D.
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- LUNDEBERG, OLAV, (1931) A.B., A.M., Ph.D.
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- LUNDHOLM, HELGE, (1930) Ph.D.
Associate Professor of Psychology 1118 N. Duke Street
- MABRY, WILLIAM ALEXANDER, (1930) A.B., A.M., Ph.D.
Instructor in History West Campus
- MACKAY, DOROTHY LOUISE, (1930) A.B., M.A., Docteur de
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- MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.
Professor of Law Hope Valley
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.
Instructor in History West Campus
- MARTIN, ELSIE WILSON, MRS., (1930) A.B., M.S.
Professor of Dietetics Faculty Apartments, East Campus
- MAUGHAN, WILLIAM, (1931) B.S., M.F.
Assistant Professor of Forestry 2307 Club Boulevard
- MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.
Instructor in German Hope Valley
- MCBRYDE, ANGUS MURDOCH, (1931) B.S., M.D.
Assistant Professor of Pediatrics Duke Hospital
- MCCAIN, PAUL PRESSLY, (1933) A.B., M.D.
Assistant Professor of Clinical Medicine Southern Pines, N. C.
- MCCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.
Instructor in History 802 Second Street
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Associate Professor of Physiology and Pharmacology
 1010 Monmouth Avenue
- MCDERMOTT, MALCOLM, (1930) A.B., LL.B.
Professor of Law East Campus

- *McDOUGALL, WILLIAM, (1927) B.A., M.A., M.B., D.Sc., Litt.D.
Professor of Psychology Faculty Club, East Campus
- MILES, EDWARD ROY CECIL, (1929) B.S., M.A., Ph.D.
Assistant Professor of Mathematics
 118 Faculty Apartments, East Campus
- MILLER, JUSTIN, (1930) A.B., LL.B., J.D. West Campus
Professor of Law
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M. 1008 W. Trinity Avenue
Associate Professor of English
- MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.
Instructor in Physics 306 Faculty Apartments, East Campus
- MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M. 1015 Watts Street
Professor of Biblical Literature
- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D. 2032 Club Boulevard
Assistant Professor of History
- NICHOL, ARCHIBALD JAMIESON, (1930) A.B., M.A., Ph.D. 1009 Rose Hill Avenue
Instructor in Economics
- NIELSEN, WALTER MCKINLEY, (1925) B.S., Ph.D. 1407 Virginia Avenue
Assistant Professor of Physics
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D. 1013 Rose Hill Avenue
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- ORMOND, JESSE MARVIN, (1923) A.B., B.D. 301 Watts Street
Professor of Practical Theology
- PATTERSON, KARL BACHMAN, (1920) A.B., A.M. 1024 Monmouth Avenue
Assistant Professor of Mathematics
- PATTON, LEWIS, (1926) A.B. 2415 Club Boulevard
Assistant Professor of English
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D. Hope Valley
Professor of Zoölogy
- PEPLER, CHARLES WILLIAM, (1912) A.B., Ph.D. 406 Buchanan Road
Professor of Greek
- PERLZWEIG, WILLIAM ALEXANDRE, (1930) B.S., A.M., Ph.D. Hope Valley
Professor of Biochemistry
- PERRY, HAROLD SANFORD, (1932) B.S., Ph.D. 619 Morehead Avenue
Instructor in Botany
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D. West Campus
Professor of Education
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D. 1025 Monmouth Avenue
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* On leave, spring, 1934.

- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.
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 212 Faculty Apartments, East Campus
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.
Associate Professor of Psychology Nation Avenue
- RIPPY, J. FRED, (1926) A.B., A.M., Ph.D.
Professor of History Forest Hills
- ROBERTS, CHRISTOPHER, (1929) B.S., A.M., Ph.D.
Assistant Professor of Economics
 116 Faculty Apartments, East Campus
- ROBERTS, JOHN H., (1931) A.B., Ph.D.
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 philologie classique, Louvain
Professor of Latin Faculty Club, East Campus
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- SEELEY, WALTER JAMES, (1925) E.E., M.S.
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- SHEARS, LAMBERT ARMOUR, (1927) A.B., A.M., Ph.D.
Instructor in German 917 Green Street
- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.
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* On leave, 1933-1934.

- SHRYOCK, RICHARD HARRISON, (1925) B.S., Ph.D.
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- SMITH, ROBERT SIDNEY, (1932) A.B., A.M., Ph.D. 918 Dacian Avenue
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Instructor in Education 115 Faculty Apartments, East Campus
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Lecturer in Law
- SPENCE, BESSIE WHITTED, MRS., (1929) A.B., A.M., B.D. Hope Valley
Instructor in Biblical Literature
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D. Hope Valley
Professor of Biblical Literature and Religious Education
- SPRUNT, DOUGLAS HAMILTON, (1932) B.S., M.S., M.D.
Assistant Professor of Pathology Hope Valley
- STANBURY, WALTER ALBERT, (1929) A.B., D.D.
Professor of Practical Theology
- SUGDEN, HERBERT WILFRED, (1929) A.B., A.M., Ph.D.
Instructor in English 201 Faculty Apartments, East Campus
- SWETT, FRANCIS HUNTINGTON, (1930) A.B., M.A., Ph.D. Hope Valley
Professor of Anatomy
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Powe Apartments, Watts Street
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Professor of German
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.
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* On leave, 1933-1934.

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- WADE, WALLACE, (1931) A.B. West Campus
Director of Physical Education, Trinity College
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Instructor in English
- WHITE, MARIE ANNE, MRS., (1930) A.B., A.M. Hope Valley
Instructor in English
- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D. Hope Valley
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- WILSON, FREDERICK ELIPHAZ, (1923) A.B., A.M. 1007 Urban Avenue
Assistant Professor of German
- WILSON, ROBERT NORTH, (1910) A.B., M.S. 822 Third Street
Professor of Chemistry
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D. 216 Forest Wood Drive
Professor of Political Science
- *WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D. 807 Second Street
Professor of Botany
- WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D. 108 Forestwood Drive
Instructor in History
- YATES, ANNE, (1933) A.B., A.M., Ph.D. Hope Valley
Instructor in Biochemistry
- YOUNG, EDWARD HUDSON, (1923) A.B., A.M. 13 Beverly Apartments
Assistant Professor of Romance Languages

* On leave, 1933-1934.

ZENER, KARL EDWARD, (1928) A.B., A.M., Ph.D. 416 Carolina Circle
Assistant Professor of Psychology

INSTRUCTIONAL STAFF WITHOUT SEATS IN THE GENERAL FACULTY

ANDERSON, CHARLES ROBERTS, (1930) A.B., A.M.
Instructor in English 1007 W. Trinity Avenue

BAKER, ELEANOR USSHER, (1930) A.B. Duke Hospital
Instructor in English in School of Nursing

BAKER, ROGER DENIO, (1930) A.B., M.D. 2320 Club Boulevard
Instructor in Pathology

BATCHELDER, MARION FRANCES, (1930) R.N. Duke Hospital
Instructor in Nursing Administration and Supervision

BROADHEAD, EDWARD HALL, (1933) A.B., A.M. Duke University
Instructor in Music

CALDER, ROYALL MANN, (1930) A.B., M.D. Duke Hospital
Instructor in Medicine

CRAVEN, ERLE BULLA, JR., (1930) A.B., M.D. Duke Hospital
Instructor in Medicine

CRAVEN, JEAN DAVIDSON, (1930) A.B., M.D. Duke Hospital
Instructor in Pediatrics

DICK, MACDONALD, (1932) B.A., M.A., M.D. Duke Hospital
Instructor in Medicine

EPPELSON, JEFFE HARRISON, (1930) B.S. 1202 Mangum Street
Instructor in Preventive Medicine and Public Health

EVERETT, JOHN WENDELL, (1932) A.B., Ph.D. Duke Hospital
Instructor in Anatomy

FINKELSTEIN, HAROLD, (1931) B.S., M.D. Duke Hospital
Instructor in Surgery

*GATLIN, ROBERT HENRY, (1931) B.S. in Civil Engineering
Instructor in Engineering 310 Holloway Street

GODARD, JAMES MCFATE, (1932) A.B., A.M. 2401 Club Boulevard
Instructor (part time) in Education

HAYWOOD, CHARLES LEWIS, JR., (1932) A.B., M.A., M.D. Duke Hospital
Instructor in Anatomy

HOFFMAN, GEORGE, (1931) A.B., A.M. 1104 Watts Street
Instructor in English

HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D. 2313 Englewood Avenue
Instructor in Anatomy

KEECH, JAMES MAYNARD, (1931) A.B., A.M. 12 Bickett Apartments
Instructor in Economics

* Resigned, 1934.

KOONTZ, HAROLD DILLINGER, (1933) A.B., M.B.A. <i>Instructor in Economics</i>	West Campus
LAXTON, AUGUSTA, (1930) R.N. <i>Instructor in Nursing Administration and Supervision</i>	Nurses Home
LEWIS, WILLIAM WHITFIELD, (1934) B.S. in C.E. <i>Instructor in Engineering</i>	College Station
MARTIN, DONALD STOVER, (1932) A.B., M.D. <i>Instructor in Medicine</i>	Duke Hospital
MATHEWS, RALPH THOMPSON, (1930) B.S. in M.E. <i>Instructor in Mechanical Engineering</i>	911 Green Street
MCCUTCHEON, ERNEST PARRISH, (1930) D.D.S. <i>Instructor in Dentistry</i>	Beverly Apartments
MCLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M. <i>Instructor in Philosophy</i>	Duke University Road
NELSON, HULDA GERTRUDE, (1930) R.N. <i>Instructor in Nursing Administration and Supervision</i>	Duke Hospital
PERSONS, ELBERT LAPSLEY, (1930) A.B., M.D. <i>Instructor in Medicine</i>	Trinity Apartments
PORRO, FRANCIS WALTHOUR, (1931) B.S., M.D. <i>Instructor in Pathology</i>	1012 Burch Avenue
PULLIAS, EARL VIVON, (1932) A.B., A.M. <i>Instructor (part time) in Education</i>	Duke University
QUYNN, WILLIAM ROGERS, (1930) B.A., M.A. <i>Instructor in French</i>	507 Watts Street
RIGDON, RAYMOND HARRISON, (1931) B.S., M.D. <i>Instructor in Pathology</i>	Duke Hospital
SIMPSON, WILLIAM HAYS, (1930) A.B., A.M. <i>Instructor in Political Science</i>	7 Bickett Apartments
SMITH, SUSAN GOWER, (1930) A.B., M.A. <i>Instructor in Physiology and Pharmacology</i>	Hope Valley
TRUESDALE, JAMES NARDIN, (1930) A.B., A.M. <i>Instructor (part time) in Greek</i>	Epworth
WALLACE, ELBERT STEPHEN, (1933) A.B., A.M. <i>Instructor (part time) in Economics</i>	1505 Duke University Road
WARD, CHARLES EUGENE, (1927) A.B., A.M. <i>Instructor in English</i>	Tuscaloosa Forest

HONORARY FELLOWS

Brown, Alice Lenore A.B., A.M., University of Kansas; Ph.D., Cornell	Zoölogy	113 Faculty Apts.
Fleshman, Arthur Cary B.S., Westminster; A.M., George Washington; Ph.D., New York	Psychology	Hotel Malbourne

McCulloch, Thomas Logan	Psychology	Duke Station
A.B., Whittier; A.M., Ph.D., Duke		
Margineanu, Nicolas	Psychology	7 Powe Apts.
Ph.D., Cluj University, Roumania		

UNIVERSITY FELLOWS

Adams, John Clinton	History	1010 West Trinity Ave.
B.S., University of Pennsylvania; A.M., Duke		
Bailey, Howland Haskell	Physics	809 Chapel Hill St.
A.B., Haverford		
Bookhout, Cazlyn Green	Zoölogy	204 Watts St.
A.B., St. Stephen's; A.M., Syracuse		
Brody, Leon	Education	1004 Minerva Ave.
A.B., M.S., College of the City of New York		
Butts, Helen Elizabeth	Zoölogy	210 Bassett
A.B., A.M., Brown		
Dearborn, Donald Curtis	Mathematics	107 House B
A.B., Hastings; A.M., University of Nebraska		
*Elliott, Emmet Roach	Mathematics	918 Urban Ave.
B.S., Hampden-Sidney; A.M., Duke		
Farioletti, Marius	Economics	611 Watts St.
B.B.A., University of Chattanooga; A.M., Oberlin		
Garrett, Harper Lee	History	108 E. Markham Ave.
A.B., The Citadel; A.M., Duke		
Gibson, William Marion	Political Science	921 Monmouth Ave.
A.B., University of Richmond; A.M., Duke		
Godcharles, Charles Augustus	Philosophy	304 Cook St.
A.B., Bucknell; A.M., Duke		
Goldstein, Israel Payson	English	120 Epworth
A.B., Lehigh		
Harris, Isabella Deas	English	311 Jarvis
A.B., Wesleyan; A.M., Duke		
Harrison, David Moody	Economics	1114 8th St.
B.S., Ursinus; A.M., Duke		
Hoole, William Stanley	English	110 Watts St.
A.B., A.M., Wofford		
LeMaistre, John Wesley	Chemistry	2219 Club Blvd.
B.S.E., M.S., University of Michigan		
Miller, Harold William	Greek	209 House A
A.B., Wofford; A.M., Duke		

* Resigned February 1, 1934.

Montague, Ludwell Lee	History	207 House A
A.B., Virginia Military Institute; A.M., University of Pennsylvania		
Overdyke, William Darrell	History	1014 Lamond Ave.
A.B., Centenary; A.M., Louisiana State		
Rice, Nolan Ernest	Zoölogy	208 E. Trinity Ave.
A.B., University of Kentucky; A.M., Duke		
Rintelen, Joseph Charles, Jr.	Chemistry	306 House A
B.S., Brooklyn Polytechnic Institute; M.S., Cornell		
Shankle, Herbert Lazelle	Chemistry	604 Buchanan Rd.
A.B., A.M., Duke		
Sparks, Dade	History	918 Urban Ave.
A.B., East Texas State Teachers College; A.M., University of Texas		
Stanbury, Walter Albert, Jr.	English	516 W. Chapel Hill St.
A.B., A.M., Duke		
Tollen, William Bruce	Sociology	1006 Shepherd St.
A.B., University of Pennsylvania		
Williams, Harold Fish	Botany	2 Overby Drive
Ph.B., University of Wisconsin		
Woodward, George Milton	Economics	205 House A
A.B., A.M., Vanderbilt		

INDUSTRIAL RESEARCH FELLOWS

Darkis, Frederick Randolph	Chemistry	2114 Club Blvd.
B.S., M.S., Ph.D., University of Maryland		
Dixon, Lawrence F.	Chemistry	916 Monmouth Ave.
A.B., Duke		
McLean, Ruth	Chemistry	1022 Monmouth Ave.
A.B., Woman's College of U. N. C.		
Pearson, John Herbert	Chemistry	806 Second St.
Sc.B., Brown; Ph.D., Duke		
Sigmon, Hugh William	Chemistry	1116 Burch St.
B.S., M.S., North Carolina State College		

GRADUATE ASSISTANTS

**Andrews, Henry Lucian	Sociology	04 House C
A.B., A.M., Duke		
Billings, William Dwight	Botany	309 House E
A.B., Butler		
Brandt, Bartholomew Brandner	Zoölogy	1012 Alabama Ave.
B.Sc., Mississippi State		

** Appointed February 1, 1934.

Bryan, Jack Yeaman A.B., A.M., University of Arizona	Philosophy	409 Cook St.
Cagle, William Carl B.S., University of Chattanooga; A.M., George Peabody	Chemistry	2219 Club Blvd.
Cleaves, Alden Parker A.B., A.M., Boston	Physics	01 House C
Comer, David Baine, III A.B., A.M., Tulane	English	1505 Duke University Rd.
Dreyer, Edward Peter B.S., A.M., Tulane	English	1505 Duke University Rd.
Dunlap, Orell Alva A.B., Presbyterian	Economics	Vance Apts.
*Edwards, Allen David B.S., Western State Teachers College, Michigan; Ph.M., University of Wisconsin	Sociology	918 Urban Ave.
Finan, John Lincoln A.B., Harvard	Psychology	306 House A
Gorman, Mary Aylward A.B., Randolph-Macon Woman's College; A.M., Duke	Chemistry	210 Bassett
*Hardin, Rector Roemilt A.B., Berea; A.M., Duke	Economics	1114 8th St.
Harkema, Reinard A.B., Calvin	Zoölogy	407 Cook St.
Hathorn, John Broadus A.B., A.M., Rice Institute	Education	921 W. Markham Ave.
Hobbs, Marcus Edwin A.B., Duke	Chemistry	01 House V
Huberman, Edward A.B., Harvard; A.M., Rutgers	English	1010 W. Trinity Ave.
*Humble, Hilary Augustus A.B., A.M., Duke	Chemistry	01 House V
Jacokes, James Warner, Jr. B.S., Union University, Tennessee	Chemistry	103 House H
Johnston, Thomas McNaughton B.S., Washington and Jefferson; A.M., Tulane	English	1505 Duke University Rd.
Kates, Kenneth Casper A.B., St. Stephen's	Zoölogy	204 Watts St.
McCain, William David B.S., Mississippi Delta State Teachers College; A.M., University of Mississippi.	History	05 House C

* Resigned February 1, 1934.

McCord, William Fletcher A.B., Mercer	Psychology	406 E. Trinity Ave.
McCormick, Edward Theodore B.S., University of Arizona; M.S., University of California	Economics	305 House B
McCutcheon, Frederick Harold B.S., M.S., North Dakota State College	Zoölogy	819 Third St.
McDavid, Raven Ioor, Jr. A.B., Furman; A.M., Duke	English	202 House A
McGlothlin, William Joseph, II A.B., Furman; A.M., Columbia	English	1601 Duke University Rd.
McManus, Mary Idolene A.B., Coker; A.M., University of South Carolina	Zoölogy	107 Bassett
Manget, Jeanne Logan A.B., A.M., Duke	Physics	315 Brown
Miller, William Taylor, Jr. A.B., Duke	Chemistry	2219 Club Blvd.
Moore, Daniel Houston A.B., A.M., Duke	Physics	918 Urban Ave.
Nuermberger, Gustave Adolph A.B., University of Buffalo; A.M., Duke	History	203 House A
Parker, Enid Rifner A.B., University of Chattanooga; A.M., Duke	Latin	307 Bassett
Pratt, Joseph Gaither A.B., A.M., Duke	Psychology	403 Cook St.
Raasch, LaVerne Amando A.B., A.M., University of Wisconsin	English	308 Bassett
Reed, John Frederick A.B., Dartmouth	Botany	306 House B
Reeves, Carl Walker B.S., The Citadel; A.M., Columbia	English	301 House B
Roberts, Tilden Wirt A.B., Indiana	Zoölogy	1004 Minerva Ave.
Root, Paul Adelbert A.B., Asbury; B.D., Duke	Sociology	303 House B
Smith, Newell Hart A.B., Park; A. M., University of Virginia	Physics	1116 Burch Ave.
Spangler, Helen Virginia A.B., M.S., West Virginia	Botany	314 Jarvis

Stuart, Charles Edward A.B., Duke	Psychology	803 Cook St.
Swanson, John Chester A.B., University of Richmond; A.M., Duke	Physics	914 Exum St.
Wallace, Elbert Stephen A.B., Birmingham-Southern; A.M., Duke	Economics	1023 Gloria Ave.
Whitenfish, Abe Irving B.S., University of Richmond; A.M., Duke	Chemistry	212 House H
**Whitman, William Tate A.B., A.M., Duke	Economics	921 Monmouth Ave.
Winton, Lowell Sheridan B.S., Grove City; A.M., Oberlin	Mathematics	918 Urban Ave.
Wynne, Robert Baker A.B., A.M., College of William and Mary	English	1026 Monmouth Ave.
Yeargan, Cordon Arnold A.B., Kansas State Teachers College	Zoölogy	809 Chapel Hill St.

GRADUATE SCHOLARS

*Dillon, Conley Hall A.B., Marshall; A.M., Duke	Political Science	611 Watts St.
Dye, Margaret Luisita A.B., University of Missouri	French	112 Bassett
Garner, Samuel Paul A.B., Duke	Economics	101 House B
**Harrington, John Beattie A.B., A.M., Princeton	Philosophy	303 House A
Heckman, Oliver Saxon A.B., Lebanon Valley; A.M., University of Illinois	History	203 House A
Humrichouse, Ann Stockton A.B., Bryn Mawr	French	915 Monmouth Ave.
Ivey, Mary Stuart A.B., Lenoir Rhyne	Latin	216 Bassett
McCallie, Spencer Jarnagin, Jr. A.B., University of Virginia	Education	110 House D
McCarrell, David Kithcart A.B., Washington and Jefferson; A.M., Duke	History	207 House A
McEntire, Weldon Davis B.S., Utah State; A.M., Duke	Political Science	1417 James St.
Mann, Marvin Mellard A.B., A.M., Duke	Physics	905 Second St

* Appointed February 1, 1934.

** Resigned February 1, 1934.

Morgan, Jasper Eugene	Physics	512 Milton Ave.
B.S., Wake Forest; A.M., Duke		
Morgan, Karl Ziegler	Physics	1116 Burch Ave.
A.B., A.M., University of North Carolina		
Peterson, Daniel McLeod	Mathematics	107 House B
A.B., University of Mississippi		
Poole, Mary Elizabeth	French	307 Giles
A.B., University of Kentucky; A.M., Duke		
*Riddick, Floyd Millard	Political Science	611 Watts St.
A.B., Duke; A.M., Vanderbilt		
Rolston, Cornelia Love	French	307 Bassett
A.B., University of Chattanooga		
Rose, Jesse Lee	Greek	1111 Urban Ave.
A.B., College of Charleston		
Searcy, Hubert	Political Science	1114 8th St.
A.B., Birmingham-Southern; A.M., Duke		
Shugart, Thomas Reeder	Physics	106 House A
B.S., Texas Christian		
Stites, Mildred Gant	Botany	314 Jarvis
A.B., Duke		
Tongue, William Richard	Latin	05 House C
A.B., University of Pennsylvania		
Webb, William Yates	Economics	03 House C
A.B., A.M., Columbia		
Williford, Annie May	History	317 Jarvis
A.B., Barnard; A.M., Columbia		
Zirkle, George	Psychology	818 Sixth St.
A.B., Tusculum		
Zirkle, Sara Ownbey	Psychology	818 Sixth St.
A.B., A.M., Duke		

ASSISTANTS

ARENA, JAY MORRIS, (1933)	B.S., M.D.	Duke Hospital
<i>Assistant in Pediatrics</i>		
BRYSON, EDWARD CONSTANT, (1931)		Hope Valley
<i>Assistant in the Legal Aid Clinic</i>		
**COOVER, CHESTER A., (1933)	B.S.F., M.F.	1104 Watts Street
<i>Assistant in Forestry</i>		
DANIEL, WALTER EUGENE, B.A., M.D.		3115 Duke Hospital
<i>Duke Diagnostic Clinic</i>		

* Resigned February 1, 1934.

** Resigned April 6, 1934.

DINSMORE, DONALD T., (1933) <i>Assistant in Forestry</i>	1104 Watts Street
FREEMAN, CLARENCE DEARBORN, JR., (1933) A.B., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
HALL, SNOWDEN COMAN, JR., (1932) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
HENNINGER, CHARLES M. <i>Assistant in Forestry</i>	1104 Watts Street
HICKS, JAMES MYERS, (1931) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
JONES, JULIA MARY, (1932) A.B. <i>Assistant in Anatomy</i>	Duke Hospital
JOYNER, GEORGE WILLIAM, (1933) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
MASON, MARY LOCHER, MRS., (1931) Diploma in Fine Arts, Teachers College, Columbia <i>Assistant in Education</i>	Roxboro Road
MASON, MORTON FREEMAN, (1931) B.S. <i>Assistant in Biochemistry</i>	7 Bickett Apartments
OATES, MAX OGLESBEE, (1930) A.B., M.D. <i>Assistant in Surgery</i>	3103 Duke Hospital
PARFENTJEV, IVAN ALEXANDER, (1932) Ph.D. <i>Assistant in Biochemistry</i>	Duke Hospital
PAYNE, SHELDON, (1932) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
PEELE, TALMAGE LEE, (1932) A.B. <i>Assistant in Anatomy</i>	Duke Hospital
POOLE, EVERETT BLANKS, (1932) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
POSTON, MARY ALVERTA, (1930) <i>Assistant in Bacteriology</i>	Glenn Apartments
RUEGSEGGER, JAMES MOORE, (1932) <i>Assistant in Medicine</i>	Duke Hospital
SANGER, PAUL WELDON, (1932) A.B., M.D. <i>Assistant in Surgery</i>	Duke Hospital
SCHAUB, MAUD, (1933) M.A. <i>Technician in Zoölogy</i>	Duke University
SHIPP, MARY ELIZABETH, (1932) A.B., M.A. <i>Research Assistant in Anatomy</i>	1104 Watts Street
THOMAS, WALTER LEE, JR., (1932) A.B., M.A., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital

TWADDELL, VERA CARR, MRS., (1931) A.B. <i>Assistant in Education</i>	707 S. Duke Street
WANNAMAKER, MARGARET, (1932) A.B. <i>Assistant in Education</i>	Duke University
WILKINSON, WILLIAM EDGAR, (1933) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
ZIV, LOUIS BARNARD, (1930) A.B., M.D. <i>Assistant in Surgery</i>	Duke Hospital

THE UNIVERSITY LIBRARIES

*BOYD, WILLIAM KENNETH, A.B., A.M., Ph.D. <i>Director</i>	Hope Valley
BRANSCOMB, BENNETT HARVIE, A.B., B.A., M.A., Ph.D. <i>Acting Director</i>	Hope Valley

GENERAL LIBRARY

BREEDLOVE, JOSEPH PENN, A.B., A.M. <i>Librarian</i>	407 Watts Street
MALONE, EVA EARNSHAW, A.B., B.S. <i>Assistant Librarian in Charge of Cataloguing</i>	210 Faculty Apartments, East Campus 1317 Arnette Avenue
MORRELL, ERIC <i>Chief of the Order Department</i>	1317 Arnette Avenue
POWELL, BENJAMIN EDWARD, A. B., B.L.S. <i>Chief of the Reference and Circulation Department</i>	310 Watts Street

ABERNATHY, ETHEL, A.B. <i>Cataloguer</i>	208 Faculty Apartments, East Campus
APGAR, MRS. MARGARET PARSONS, A.B. <i>Secretary in the Order Department</i>	1005 W. Trinity Avenue
BLAKE, NELSON MOREHOUSE, A.B., A.M., Ph.D. <i>Assistant in the Manuscript Department</i>	Duke Station
BOYD, MARY ELIZABETH, A.B. <i>Assistant in the Order Department</i>	216 Faculty Apartments, East Campus
BURCHETTE, KATHRYN, A.B., B.A. in L.S. <i>Cataloguer</i>	1025 Monmouth Avenue
COUSINS, REBA THURSTON, A.B. <i>In Charge of the Work Room</i>	1107 Urban Avenue
COVINGTON, LENA, A.B. <i>Assistant in the Order Department</i>	1025 Monmouth Avenue
CREWS, SUDIE ELIZABETH <i>Assistant in the Order Department</i>	1004 West Trinity Avenue

* On leave, spring, 1934.

- FRAZIER, ROSE MARIE, A.B., B.S., B.M. 702 Buchanan Road
Assistant in the Reference Department
- GARNER, GEORGE LEE, A.B., A.M. 1025 Monmouth Avenue
Cataloguer
- GREEN, JANE, A.B., B. A. in L.S. 1004 West Trinity Avenue
Assistant in the Order Department
- HIX, EDWIN JONATHAN, A.B. 812 Fourth Street
Assistant in the Circulation Department
- HUNT, LULA HESTER 1004 West Trinity Avenue
Secretary to the Librarian
- ISRAEL, KATE OLA, A.B. 1022 Monmouth Avenue
Cataloguer in Charge of the Chemistry Library
- JENSEN, EVELYN, B.S. 216 Faculty Apartments, East Campus
Cataloguer
- JONES, ESTHER RUTH, A.B. 704 Buchanan Road
In Charge of Accessioning
- JOYNER, WILLIAM EPIE, A.B. 215 Faculty Apartments, East Campus
In Charge of Reserve Book Room
- KEEN, EUNICE, A.B., B.A. in L.S. 1109 Minerva Avenue
Cataloguer
- KETRING, RUTH ANNA, A.B., A.M. 208 Faculty Apartments, East Campus
In charge of Manuscripts
- LOOS, LOUISE, A.B. 208 Faculty Apartments, East Campus
Assistant Cataloguer
- MALONE, EVA CANDLER, A.B. 804 Third Street
Cataloguer
- MERRITT, GERTRUDE, A.B. 2 Bickett Apartments
Assistant in the Order Department
- MORGAN, KATHERINE, MRS., A.B. Hillsboro, N. C., Route 3
In Charge of the Physics Library
- MYERS, MILDRED FLORENCE, A.B., B.S. in L.S. 704 Buchanan Road
Cataloguer
- OYLER, HELEN, A.B., B.S. in L.S. 704 Buchanan Road
Cataloguer
- PARKER, WIXIE ELMA, A.B., B.S. in L.S. 303 Erwin Apartments
Chief of the Periodical Department
- RAMAGE, MARY ALLENE, A.B., B.A. in L.S. 901 Fifth Street
In Charge of Newspapers
- RICE, GLADYS GARNETT, MRS., A.B. 208 East Trinity Avenue
In Charge of the Biology Library

- RIVERA, RODOLFO OSVALDO, A.B., A.M., Ph.D. Duke Station
Assistant in the Reference Department
- SEABOLT, RUTH, A.B. 407 Watts Street
Cataloguer
- SMITH, FRANK FERRELL, A.B. 819 Sixth Street
Assistant in the Circulation Department
- STARLING, MARY LEE, A.B., A.M. 813 Buchanan Road
In Charge of the Graduate Reading Room
- TATUM, WILLIAM GILCHRIST, JR., A.B. Duke Station
Assistant in the Periodical Department
- WESCOTT, MARY, A.B., B.S. 1008 Monmouth Avenue
First Assistant in the Cataloguing Department
- WOODALL, EVA AVERY, A.B. 901 Fifth Street
In Charge of the Reading Room, School of Religion

WOMAN'S COLLEGE LIBRARY

- GRIGGS, MRS. LILLIAN BAKER, B.A. in L.S. 510 Buchanan Road
Librarian
- BALDWIN, GRAYSON, A.B., B.S. 904 Vickers Avenue
Chief in the Order Department
- BLANCHARD, SARAH, A.B., B.S. 1008 Monmouth Avenue
Assistant in Circulation Department
- GRANT, ETTA BEALE, A.B., B.S. 1025 Monmouth Avenue
Assistant Librarian in Charge of Cataloguing
- HARRISON, EVELYN JENNINGS, A.B., B.S. in L.S. East Campus
Assistant Cataloguer
- MONTGOMERY, MARGARET ELIZABETH, A.B. 205 Faculty Apartments, East Campus
Chief of the Reference and Periodical Departments
- RIGSBEE, CLARA WARD, A.B. 1505 W. Chapel Hill Street
Chief in the Circulation Department
- SPENCE, MARY ELIZABETH, A.B. East Campus
Assistant Cataloguer

LAW LIBRARY

- ROALFE, WILLIAM ROBERT, LL.B. West Campus
Librarian
- CARPENTER, ANNIE LAURIE 1810 Vickers Avenue
Secretary to the Librarian
- COVINGTON, MARY SIMMONS, A.B., LL.B. Bassett House, East Campus
Research Librarian

DAY, KATHERINE, B.S. 1010 Gloria Avenue
Assistant Cataloguer

LONG, MARIANNA, A.B., B.A. in L.S. 1025 Monmouth Avenue
Head Cataloguer

DUKE HOSPITAL LIBRARY

FARRAR, JUDITH, A.B., B.L.S.
117 Faculty Apartments, East Campus
Librarian

UNIVERSITY CHAPEL

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.
1308 College Road

RUSSELL, ELBERT, A.B., A.M., Ph.D. 811 Vickers Avenue
Preachers to the University

BARNES, JAMES FOSTER, A.B., A.M. 113 Watts Street
Director of Choral Music

BREES, ANTON (1932) West Campus
University Carillonneur

BROADHEAD, EDWARD HALL, (1933) A.B., A.M. Duke University
University Organist

PHYSICAL EDUCATION AND STUDENT HEALTH

SPEED, JOSEPH ANDERSON, M.D. 913 Dacian Avenue
Director of Student Health

WADE, WALLACE, A.B. West Campus
Director of Physical Education, Trinity College

GROUT, JULIA REBECCA, A.B., M.S. 104 Faculty Apartments, East Campus
Director of Physical Education, Woman's College

TRINITY COLLEGE

VOYLES, CARL, B.S. 314 West Trinity Avenue
Assistant Director of Physical Education

CALDWELL, HERSCHEL, (1930) Duke University
Assistant in Physical Education

CAMERON, EDMUND McCULLOUGH, (1926) A.B. 2 Manchester Apartments
Assistant in Physical Education

CARD, WILBUR WADE, (1902) A.B. 1110 Minerva Avenue
Director the Gymnasium

CHAMBERS, ROBERT LUTHER, (1933) B.S. <i>Assistant in Physical Education</i>	Duke University
COOMBS, JOHN WESLEY, (1929) B.S. <i>Assistant in Physical Education</i>	House DD, 101, Craven Quadrangle
CRICHTON, MARSHALL, (1931) <i>Assistant in Physical Education</i>	Hope Valley
DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	101 Gymnasium
GERARD, KENNETH, (1931) B.S. <i>Assistant in Physical Education</i>	Duke University
HAGLER, ELLIS, (1930) <i>Assistant in Physical Education</i>	7 Powe Apartments, Watts Street
HARDISON, MARY, R.N. <i>Resident Nurse</i>	West Campus Infirmary
PERSONS, WALTER, (1930) <i>Assistant in Physical Education</i>	Duke University
SAUNDERS, CORINNA, R.N. <i>Resident Nurse</i>	West Campus Infirmary
WAITE, ALEX, (1931) A.B. <i>Assistant in Physical Education</i>	2009 Club Boulevard
WARREN, ADDISON, (1931) A.B. <i>Assistant in Physical Education</i>	1500 Chapel Hill Street

WOMAN'S COLLEGE

CHATNEUFF, VIVIAN MOIZE, MRS., (1928) <i>Instructor in Physical Education</i>	306 Jackson Street
CIRCLE, ELIZABETH, (1932) A.B., M.S. <i>Instructor in Physical Education</i>	Bassett House
LEWIS, MARTHA MODENA, (1933) B.S. <i>Instructor in Physical Education</i>	Bassett House
RAMSEY, SARAH WRAY, R.N. <i>Resident Nurse</i>	East Campus Infirmary
VESTAL, MOZELLE, R.N. <i>Resident Nurse</i>	East Campus Infirmary
*WYCHE, ALMA VIRGINIA, (1930) A.B. <i>Instructor in Physical Education</i>	Bassett House

SOCIAL AND MUSICAL ACTIVITIES

WILSON, MARY GRACE, A.B. <i>Social Director of the Woman's College, Head of Brown House</i>	Brown House
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* On leave, 1933-1934.

- BARNES, JAMES FOSTER, MRS. 113 Watts Street
Director of the Woman's College Musical Clubs
- PEMBERTON, MARY NORCOTT, MRS. Kilgo Quadrangle, West Campus
Hostess, West Campus Union
- ANDERSON, ELIZABETH, A.B., A.M. Bassett House
*Assistant to the Dean of the Woman's College,
 Head of Bassett House*
- BARNES, EVELYN, A.B. Alspaugh House
*Assistant Social Director of the Woman's College,
 Head of Alspaugh House*
- CHAMBERLAIN, HOPE SUMMERELL, MRS., Litt.D. Pegram House
Head of Pegram House
- HARRELL, MARGARET GERTRUDE, A.B. Aycock House
Head of Aycock House
- KESTLER, MARY, A.B. Jarvis House
Head of Jarvis House
- LEFTWICH, GEORGE ELLETT 8 Powe Apartments, Watts Street
Director of the College Orchestras and Band
- TAYLOR, HARRIET, MRS. Giles House
Head of Giles House

GENERAL STATEMENT

Duke University offers in Trinity College and the Woman's College three academic degrees for undergraduate work: bachelor of arts, bachelor of science, and bachelor of science in civil, electrical, or mechanical engineering. Nine groups of studies lead to the degree of bachelor of arts and two groups of studies lead to the degree of bachelor of science. These groups are designated by Roman numerals in the order in which they are described. For a description of these groups, see the section below in this catalogue under the topic, "Groups of Studies for the Degree of Bachelor of Arts."

For a description of the groups of studies leading to the degree of bachelor of science, see the section below in this catalogue under the topic, "Groups of Studies for the Degree of Bachelor of Science and Bachelor of Science in Civil, Electrical, or Mechanical Engineering."

TRINITY COLLEGE

Trinity College is the undergraduate college for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, and the School of Religion. The Department of Engineering is situated on the East Campus, apart from the Woman's College.

The regulations governing the undergraduate men of Trinity College are published in subsequent sections of this catalogue.

THE WOMAN'S COLLEGE OF DUKE UNIVERSITY

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

In September, 1930, the East Campus, a hundred and twenty acres in extent, with a well-equipped plant including twelve new buildings, was given to the women, thus offering the advantages of a separate college for women with its own

distinct life and at the same time, through close association with the larger University life, preserving some of the best features of co-education. It is the aim of the College to make it possible for a woman to take all of her work, if she so wishes, on the woman's campus. However, all courses in the University are open to qualified women students, and they may enter courses given on the West Campus which are not given on the East.

The East or woman's campus is situated about a mile and a quarter from the West Campus. There is a private road connecting the two. For those members of the faculty and students who do not wish to walk or use private methods of conveyance, buses run at frequent intervals and at special rates. Resident undergraduate women are not allowed to have automobiles with them at college.

The teachers of the College, many of whom teach also in Trinity College, are members of the University faculty and are selected in coöperation with the several departments of instruction just as in the case of teachers for Trinity College, thus assuring a uniform educational standard. Graduates of the Woman's College, as graduates of all other colleges and schools within the University, receive their degree from Duke University.

Residence Houses. Four new dormitories built especially for women and newly and attractively furnished were opened in September, 1930. In each house, serving as a center for the social life of the house, are a large living-room and three small reception rooms.

All undergraduates from out of town are required to live in the residence houses, and no student under twenty-one is permitted to live in the town unless with near relatives. An older woman who wishes to live in town may make special arrangements with the Dean. Graduate students are welcomed in the dormitories, and special regulations are made for their convenience.

The Union. Connected with the dormitories by arcades is the Union, which includes dining-rooms for students and faculty, a lounge, and other rooms for various student activities. Because of the large number of those served at the Union din-

ing hall it is not possible to arrange special diets for individual students. Special diet for the sick is served in the infirmary.

The Library. The Woman's College Library, a beautiful building especially for the use of undergraduate women, contains all books for freshmen and sophomore work, many books for more advanced study, and material for general reading. For research and for certain advanced courses the students use the University Library on the West Campus. An attractive feature of the library is the Booklovers' Room, comfortably furnished, where on open shelves students may find the newest books in various fields.

ADMISSION TO COLLEGE

GENERAL REGULATIONS

Admission to Trinity College and to the Woman's College of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. A personal interview with each applicant is regarded as desirable. This is of advantage not only to the Council but also to the applicant, since it enables him to acquaint himself to some extent with the University and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer five dollars additional for the privilege of matriculation.

Since the enrollment in the undergraduate colleges is limited, an early application is desirable. Application blanks will be sent upon request, and they should be returned as soon as possible.

All correspondence relating to admission of men should be addressed to the Secretary of Duke University, Duke Station, Durham, North Carolina; and all correspondence relating to the admission of women should be addressed to the Dean of the Woman's College, College Station, Durham, North Carolina.

UNITS OF ADMISSION

The academic requirements for admission are defined in terms of units. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily. Credit for fifteen units is required for admission.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

	UNITS		UNITS
English	4	Botany	1
Latin	4	Zoölogy	1
Greek	3	General Biology	1
German	3	Physical Geography	1
French	3	General Science	1
Spanish	3	Agriculture	2
Mathematics	4	Mechanical Drawing	2
History and Civics	4	Woodwork, Forging, and Machine Work	2
Physics	1	Household Economics	2
Chemistry	1	Commercial Subjects	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other Regional Associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the freshman class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least twelve of the fifteen units required for admission must come from the following:

	UNITS		UNITS
English	3 to 4	Science	1 to 4
Mathematics	2½ to 4	Foreign Language	2 to 6
History and Social Studies	1 to 4		

These twelve units must include three in English and two and one-half in mathematics. The units in mathematics must include algebra through quadratics and plane geometry.

The three additional units necessary to make the required fifteen may come from the list above or from the larger table of units of admission.

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: All applicants must have fulfilled the equivalent of the requirements for admission to the freshman class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester-hours of work approved for seniors, with an average grade of "C," is required of all candidates for the bachelor's degree.

Students enrolling for the bachelor's degree who transfer from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, are under all circumstances required to continue for at least one year in Trinity College and in the Woman's College the foreign language they present for minimum graduation requirements.

Students who have transferred from junior colleges or from four-year colleges not affiliated with the Southern Association,

or a similar regional association, must present laboratory notebooks in all science courses that are offered for advanced credit.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer five dollars additional for the privilege of matriculating.

FRESHMAN WEEK

The week immediately preceding the opening of college is set aside for the induction of freshmen. During this period health examinations, psychological tests, and placement tests are given, on the basis of which freshmen are sectioned in English, mathematics, and foreign languages. The freshmen are divided into groups for instruction in the use of the library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all freshmen.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the freshman class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of class work a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL REGULATIONS

The requirements for the degree of bachelor of arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty-two semester-hours, on which an average grade of "C" must be made, is required for the degree of bachelor of arts in all groups. In addition to these requirements all candidates for the bachelor of arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester-hours. In Trinity College the physical education requirement is completed by the end of the sophomore year; in the Woman's College, by the end of the junior year.

The Faculty has authorized the groups of studies below for the guidance of students in selecting the work required for graduation. A student is free to choose any group he may desire. The several groups are designed to be of special value in a chosen profession and at the same time to provide a well-balanced course of study. Some of the work in each group is left entirely to the choice of the student. With the approval of the Dean a student may at any time transfer from one group to another. In such transfers, work done in one group and not prescribed in the other will count as general elective credit in the group to which the transfer is made, but all the work prescribed in the new group must be completed before the student can be graduated.

No student is permitted to take less than fourteen semester-hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester-hours) unless his average grade in the preceding

semester is higher than "C"; or, under any conditions, to take more than nineteen semester-hours of work, exclusive of required physical education.

On or before May 1 of each year every student is required to designate the group in which he plans to graduate and to arrange his program of courses for the ensuing year. All students, when choosing courses, are urged to seek the advice of instructors in whose departments they expect to receive instruction. No course card is valid until it has the approval of the Dean.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

Candidates for the degree of bachelor of arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester-hours; forestry, not to exceed eighteen semester-hours. The courses elected must be those approved by the Council on Undergraduate Instruction as appropriate for the bachelor of arts degree and published in the Bulletin of Undergraduate Instruction. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No senior may take for graduation credit any course primarily open to freshmen; and no junior may take for graduation credit more than one course primarily open to freshmen. A list of these courses is published in the BULLETIN under *Courses of Instruction*.

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of bachelor of arts in Duke University may be done in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English Composition*	6
Natural Science**	8
Economics, History, or Political Science***	6
Foreign Language****	12-18
Religion	6

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the freshman year, and all of them, except foreign language and religion, by the end of the sophomore year.

The courses primarily open to freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under *Courses of Instruction*.

GROUPS OF STUDIES FOR THE DEGREE OF
BACHELOR OF ARTS

GROUP I

GENERAL

This group is based on the traditional requirement for the degree of bachelor of arts. Students who choose it are required to complete the minimum uniform requirements for graduation; forty-two semester-hours in a division of concentration; eighteen semester-hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours

* This requirement is normally met by the completion of English 1-2. However, a freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for English 1-2.

** A student who does not present for entrance an acceptable unit of science must take sixteen semester-hours of science for graduation.

*** A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

**** A student must pursue a language through the equivalent of the third college year and he must gain at least twelve hours of credit in this language in college. Thus, a freshman able to enter the second college year of a language he has pursued in secondary school may complete his language requirement in two years; and if he is able to enter the third year of that language, he must still continue it for two years in order to gain his twelve hours. If he desires to study a language in which he does not present two entrance units, he enters the first year of the language and completes his requirement in three years. However, if a freshman presents for entrance four units of Latin, he may satisfy his language requirement by taking two years of Greek or two years of Latin.

necessary for graduation. The departments of instructions, for purposes of concentration, are grouped in three divisions:

Humanities: English, Fine Arts, German, Greek, Latin, Philosophy, Romance Languages.

Social Science and History: Economics and Political Science, Education, History, Religion, Sociology.

Mathematics, Psychology, and Natural Science: Biology, Chemistry, Mathematics, Physics, Psychology.

The forty-two semester-hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester-hours in a major department and eighteen to twenty-four semester-hours in at least two other departments of the same division, with a minimum of six semester-hours in each department. If only eighteen hours of work is taken in the major department, this work must not include any course primarily open to freshmen.

For purposes of concentration certain courses listed in the same department are reckoned as being in different departments: namely, courses in French and Spanish. Further, a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his restricted elective in the same division.

The eighteen semester-hours of restricted electives must be taken in two divisions not chosen for concentration, with a minimum of six semester-hours each in any two departments of these divisions.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives. These hours may vary from seven to twenty-four, but with most students they will probably be fifteen to twenty-one. For this work the student may elect any courses in which he is interested, provided he may not elect more than eight semester-hours in his major department and provided he is qualified for admission to them.

On or before May 1 of each year every freshman in the general group should designate his division of concentration and his major department, and arrange under the guidance of an

instructor in the major department his program of studies for the following year. The student is at liberty to choose for his counsellor any instructor in his major department who gives advanced courses. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will re-check their courses in their divisions of concentration each year with representatives of their major departments.

GROUP II

BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Economics A-B, Mathematics 3-4.

Sophomore Year: Economics 51-52 and 57-58.

Junior Year: Economics 143-144, 105-158 (or 171-172), Political Science 101-102, Psychology 101.

Senior Year: Economics 203-236, six additional hours of Economics approved for seniors, Business Law 181-182.

At least twelve semester-hours of the electives must be chosen from subjects other than that of Economics and Business Administration.

All elective work in Economics or Political Science must be approved in writing by some instructor offering advanced work in the department.

GROUP III

RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

- Freshman Year: Religion 1-2.
 Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 101-102, English Literature (6 hours).
 Junior Year: Religion (6 hours), Psychology* (6 hours).
 Senior Year: Religion** (12 hours), Sociology (6 hours), Philosophy (6 hours).

GROUP IV

PRE-MEDICAL

This group is designed for students who intend to pursue the study of medicine after graduation from college. The required work consists of the minimum uniform requirements and the courses specified below. German, including course 107-108, is the required foreign language in this group. Any one of the elementary courses in science specified below will fulfill the minimum uniform requirement in science.

The following arrangement of specified courses is recommended for students electing this group:

- Freshman Year: Chemistry 1-2, Mathematics 3-4, Zoölogy 1-2.
 Sophomore Year: Chemistry 61-70 or 151-152, Physics 3-4, Zoölogy (4 hours).
 Junior Year: Chemistry 151-152 (if not taken in the sophomore year), Zoölogy (4 hours recommended).
 Senior Year: Laboratory Science (14 hours), Psychology (6 hours).

GROUP V

COLLEGE TEACHING

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

French and German through the second year of college work. Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester-hours of work in the major subject,

* Three semester-hours must be in Psychology 101.

** Not more than six semester-hours of electives may be taken in the Department of Religion.

exclusive of work in the subject offered primarily for freshmen; twelve semester-hours of work in related subjects approved by the student's departmental adviser; twelve semester-hours in education, philosophy and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty-two semester-hours necessary for graduation.

At least twelve semester-hours of the work taken in the senior year must be in courses open only to seniors and graduates.

GROUP VI

PUBLIC SCHOOL TEACHING

This group is designed for two classes of students: (A) those who plan to teach in secondary schools; (B) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester-hours in education, of which three semester-hours may be in general psychology. The work in education must include three semester-hours in directed observation and practice teaching, three semester-hours in educational psychology, and three semester-hours in secondary education.

Six semester-hours, three each, in materials and methods, in two fields of high school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below:

English, twenty-four semester-hours, to include the six of required work in composition, six in English literature, and six in American literature.

French, eighteen semester-hours, based on the usual two units for admission.

German, Spanish, and Greek, the same requirements as for French.

History, eighteen semester-hours, including six each in American, ancient and mediaeval, and modern European history, and six semester-hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science.

Latin, eighteen semester-hours, based on the traditional four units for admission.

Mathematics, fifteen semester-hours.

Physical Education, twelve semester-hours.

Science, thirty semester-hours, including elementary courses in biology, chemistry, physics, and geography or geology.

A student may prepare to teach only one high school subject by taking a major of twenty-four semester-hours in that subject (Physical Education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen.

Elective work sufficient to complete the one hundred and twenty-two semester-hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the division of social science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are further warned to take their professional courses in the order outlined by the Department of Education, reserving for their senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester-hours of the work in the senior year must be in courses open only to seniors or to seniors and graduates.

CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the social science division as the division of concentration. In

addition to the general requirements of Group I, the following specific requirements must be met :

	S.H.
English	3 or 6
American History and Government	6 or 9
Geography	6
Physical Education and Hygiene	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his freshman year and advise with the department as to an appropriate course for the spring semester. In all other particulars his course follows the general group for the first year.

The following arrangement of courses is recommended for freshmen entering the teaching group. The work for the following years will be arranged by the Department of Education.

FRESHMAN YEAR

	S.H.
English	6
Foreign Language	6
Science	8
History or elective*	6
Education or elective**	6
	32

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group :

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, History 91-92.

Junior Year: Political Science 101-102, English 151-152 (3 or 6 hours), Psychology (6 hours).

* History is an alternate with economics in the minimum requirements when the student presents two units of history for admission.

** Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A may follow the same plan or take any of the electives authorized for the general group.

Senior Year: Economics (6 hours from courses approved for seniors), History 123-124.

The electives in this group should be taken so as to conform as nearly as possible to the general plan of concentration, with economics, political science, philosophy, psychology, history, and law listed as preferred subjects. However, not more than eighteen semester-hours, in addition to required work, may be taken in any one of these subjects.

At least twelve semester-hours of the electives in the senior year must be senior-graduate courses.

GROUP VIII

SOCIAL SERVICE

This group is designed for students who purpose after graduation to pursue studies in order to engage in practical social welfare work; such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoölogy is recommended for the required course in science.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, Sociology (6 hours).

Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 101, Sociology (6 hours).

Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen from history, economics and political science, education, sociology, philosophy, psychology, and religion, but not more than thirty-six hours may be taken in any one department.

The subjects required for the junior and senior years may be transposed according to the courses available in any particular year.

GROUP IX**HONORS**

The purpose of this group is to provide superior students with the opportunity for intensive and independent study in particular branches of knowledge. The basis of admission to this group is recommendation after the freshman or sophomore year. A student wishing to do honors work normally enters the general group in the freshman year. At the end of the year (in some departments at the end of the sophomore year), he may be recommended as being able to do honors work in a particular department. The student may then choose to pursue the honors course in the department recommending him and to qualify to graduate in the honors group.

The required work in the honors group consists of the minimum uniform requirements, fifty-seven semester-hours of work in the honors and related departments, and elective work sufficient to complete the semester-hours necessary for graduation in departments other than the honors department.

For a description of honors courses, together with a statement of the plan of admission to them, the student should consult the *BULLETIN of Honors Courses in Duke University*.

GROUP X**ACADEMIC-LAW COMBINATION**

A student in either of the liberal arts colleges of Duke University may complete in six years a combined course wherein he will have received his academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the faculty of the arts colleges:

Students who have completed with not less than a C average at least 96 semester-hours of undergraduate work in the pre-legal group of studies in Duke University may on the approval of the Dean of the Undergraduate College transfer to this Law School and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

GENERAL REGULATIONS

The general regulations governing the requirements for the degree of bachelor of science are the same as those for the degree of bachelor of arts.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty :

No senior may take for graduation credit any course primarily open to freshmen; and no junior may take for graduation credit more than one course primarily open to freshmen. A list of these courses is published in the *BULLETIN* under *Courses of Instruction*.

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of bachelor of science in Duke University may be done in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups :

	S.H.
English Composition*	6
Natural Science**	16
Economics, History, or Political Science***	6
French**** (second college year)	6-12
German**** (second college year)	6-12
Mathematics	6
Religion	6

* This requirement is normally met by the completion of English 1-2. However, a freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for English 1-2. If a student fails to pass English 1-2 with a grade of C or better, he must complete three additional semester-hours of composition.

** All candidates for the degree of bachelor of science must complete eight semester-hours in each of two elementary sciences.

*** A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

**** All candidates for the degree of bachelor of science must complete at least the second year of both college French and college German or their equivalent as determined by examination.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the freshman year, and all of them, except foreign language and religion, by the end of the sophomore year.

The courses primarily open to freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under *Courses of Instruction*.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

GROUP I

GENERAL

Students who choose this group are required to complete the minimum uniform requirements for graduation; forty-eight semester-hours in the division of mathematics, psychology, and natural science, of which not less than twenty-four nor more than thirty-two semester-hours may be taken in a major department; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation.

The student's major work must be in botany, chemistry, forestry, mathematics, physics, psychology, or zoölogy.

Not more than eight semester-hours of free electives may be taken in the major department.

On or before May 1 of each year every freshman in the general group should designate his major department in the division and arrange under the guidance of an instructor in the major department his program of studies for the following year. The student is at liberty to choose for his counsellor any instructor in his major department who gives advanced courses. He should obtain the instructor's written approval of all courses selected in the division before submitting his program to the Dean for final action. In like manner, upperclassmen will check their courses in the division each year with representatives of their major department.

GROUP II

PRE-FORESTRY

This group of studies is designed for students who enter college with the purpose of going into forestry as their profession after graduation. The first three years are given very largely to fundamental and auxiliary subjects basic to a proper understanding of the more highly specialized work in technical forestry, which requires two or three additional years, depending upon the student's choice and the quality and amount of work that he does.

Students who are planning to become foresters and who have satisfactorily completed the work of the freshmen, sophomore, and junior years of the pre-forestry curriculum will be required to take the summer field work consisting of six weeks of surveying and six weeks of forestry before they can continue in certain advanced forestry courses. The required work consists of the minimum uniform requirements and the courses specified below. Specified courses in elementary science and in mathematics may be taken also in fulfillment of the minimum uniform requirements.

The following arrangement of specified courses is recommended for the students electing this group:

Freshman Year: Botany 1-2, Engineering Drawing 1-2, Physics 1-2.

Sophomore Year: Botany 103, Botany 52, English Composition or Technical Writing (3 hours), Geology (or elective), Mathematics through trigonometry (6 hours), Chemistry 1-2.

Junior Year: Botany 151, Botany 156, Forestry 1, Forestry 154. The minimum uniform requirement in religion and history or economics and political science is recommended for the junior year.

Summer Field Work, 12 weeks (to include six semester-hours of Surveying 110-111 and six semester-hours of Forest Surveying and Forest Mensuration) is prerequisite to certain advanced courses in forestry. The work in Forest Surveying and Forest Mensuration will probably not be offered before the summer of 1935.

Senior Year: The work of the senior year will be elective, mainly in forestry.

All elective courses should be selected in consultation with the Forestry Staff.

Students entering without any foreign language must take the second year of one foreign language and the first year of the other foreign language in the sophomore year.

If the student fails to present two entrance units in history, he must take history as his required subject; otherwise, he should take economics.

Qualified students who desire to obtain professional training in forestry in one additional year of graduate study are advised to consult the Forestry Staff.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of bachelor of science in civil, electrical, or mechanical engineering are designed for students who are preparing for civil, electrical, or mechanical engineering, as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E.

Each of these degrees requires one hundred and thirty-eight semester-hours of work of which one hundred and twenty-two must be completed with an average grade of "C." Six semester-hours of electives must be taken in the department of economics and political science and six semester-hours in religion. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students in engineering should note that immediately after the final freshmen examinations in May or June they are required to attend a three-weeks' course in plane surveying given under the direction of the Summer School.

ADMISSION TO ENGINEERING COURSES

An applicant for admission to the freshman class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one-fourth of the annual amount of work regularly required in the school.

At least nine and one-half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
German or French or Latin	2 units
Physics or Chemistry	1 unit
History	1 unit
*Algebra	1½ or 2 units
Plane Geometry	1 unit

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

*Algebra (College Board "B")	½ unit
Solid Geometry	½ unit
*Trigonometry	½ unit
†German or French or Latin or Spanish or Greek	1 to 4 units
History or Civics (not the required unit)	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	1 to 2 units

For other elective units, see the list of elective units acceptable for the A.B. degree.

Due to lack of uniformity in various states as to the subject matter covered by the various units in algebra and the consequent variation in the work done by freshmen in advanced algebra, it has become necessary to adopt the College Entrance Examination Board's definition of these units and to require each prospective student to take a placement examination in algebra during Freshman Week. Students who validate by examination one and one-half units (algebra through quadratics, binomial theorem, and progressions) which are offered for admission or two units (algebra through quadratics, binomial theorem, progressions, simultaneous equations in three unknowns, graphs, exponents and radicals, and logarithms) will be placed in Mathematics 9-10 (5 hours a week, each semester). Those who validate by examination only one unit of the offering in algebra (*i.e.*, to quadratics) will be placed in Mathematics

* Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

11-12 (6 hours a week, each semester). Those who do not validate by examination at least one unit of their offering in algebra will not be allowed to pursue a course in engineering. Certificates from the College Entrance Examination Board (431 W. 117th Street, New York) will be accepted in lieu of the placement examination. Prospective students may gain a general idea of the type of examination to be given here from old examinations of the College Board published by Ginn and Company, New York.

**GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF
SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL
ENGINEERING**

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Chemistry 1	4	Chemistry 2	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 2-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 55	4	Mathematics 100	4
Physics 5	5	Physics 6	5
Surveying 11	2	Mechanics 8	5
Highways 15	3	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		17
	17		

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Curves and Earthwork 113	2	Curves and Earthwork 114	2
Structures 131	4	Structures 132	4
Highways 117	2	Materials 118	2
Engineering, Elective	3	Engineering, Elective	3
Elective	3	Elective	3
	18		18

Senior Year

Hydraulic Eng. 123	4	Hydraulic Eng. 124	4
Concrete 133	3	Concrete 134	3
Railroads 119	3	Railroads 120	2
Seminar 137	1	Astronomy 112	2
Electives	6	Seminar 138	1
	—	Electives	6
	17		—
			18

GROUP II**ELECTRICAL ENGINEERING***Freshman Year*

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Chemistry 1	4	Chemistry 2	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 4-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Physics 61	5	Physics 62	5
Mathematics 55	4	Mathematics 100	4
Steam Engineering 85	2	Mechanics 8	5
Mechanism 81	2	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		17
	16		

Junior Year

Prim. of Elec. Eng. 151	4	Prin. of Elec. Eng. 152	4
Strength of Materials 107	4	Hydraulics 108	4
Differ. Equations 231	3	Elec. Measurements 102	3
Thermodynamics 187	3	Thermodynamics 188	3
M. E. Lab. 199	1	M. E. Lab. 200	1
Elective	3	Elective	3
	—		—
	18		18

Senior Year

Adv. D. C. Mach. 155	3	Alt. Cur. Machinery 258	6
Adv. Alter. Currents 257	3	Elec. Power Stations 158	3
Elec. Power Transmission 159 ..	3	High. Freq. Currents 262	3
High. Freq. Currents 261	3	Electives	6
Electives	6		18
	—		
	18		

GROUP III

MECHANICAL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Chemistry 1	4	Chemistry 1	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 4-6	3
Physical Education		Physical Education	
	—		—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 55	4	Mathematics 100	4
Physics 61	5	Physics 62	5
Mechanism 81	2	Mechanics 8	5
Steam Engineering 85	2	Constructive Processes 80	1
Constructive Processes 79	1	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	
Physical Education			—
	—		18
	17		

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Machine Design 183	3	Machine Design 184	3
Thermodynamics 187	3	Thermodynamics 188	3
M. E. Laboratory 189	2	M. E. Laboratory 190	2
Electrical Engineering 153	3	Electrical Engineering 154	3
Elective	3	Elective	3
	—		—
	18		18

Senior Year

Power Plants 191	3	Power Plants 192	3
M. E. Laboratory 193	2	M. E. Laboratory 194	2
Heating and Ventilation 195 ...	3	Refrigeration 196	3
Inter. Combust. Engines 197 ...	3	Aeronautics 198	3
Electives	6	Electives	6
	<hr/>		<hr/>
	17		17

COURSES OF INSTRUCTION

Note: Courses primarily for freshmen are numbered from 1 to 49; those primarily for sophomores are numbered from 50 to 99; those primarily for juniors and seniors from 100 to 199; those primarily for seniors and graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

The designation (w) or (E) indicates that the course is to be given on the West Campus or on the East Campus. The designation (w & E) indicates that the course will be given on each campus.

Odd-numbered courses are offered in the fall semester and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.

COURSES OPEN PRIMARILY TO FRESHMEN

Botany 1-2	Latin 1-2, 3, 4, 15, 16, 41, 42
Chemistry 1-2	Mathematics 1-2, 3-4, 7, 9-10, 11-12, 16
Economics A	Physics 1-2, 3-4, 5-6, 7-8, 9-10
Education 8, 10	Political Science, 21-22
English 1-2	Religion 1-2
Fine Arts 1-2	Spanish 1-2, 3-4
French 1-2, 3-4	Zoölogy 1-2
German 1-2, 3-4	
History 1-2	

BOTANY

PROFESSORS BLOMQUIST, KORSTIAN, AND WOLF; ASSISTANT PROFESSORS ADDOMS AND MAUGHAN; MESSRS. KRAMER, OOSTING, AND PERRY; AND ASSISTANTS

1. **General Botany.**—An introduction to the structure and life processes of seed plants. Three two-hour periods. 4 s.h. (w & E)

STAFF

2. **General Botany.**—A survey of the plant kingdom, an introduction to the identification of plants, and a brief study of the laws of heredity. Three two-hour periods. Prerequisite, Botany 1. 4 s.h. (w & E)

STAFF

51. **Growth.**—Experimental studies in the growth and propagation of plants. Prerequisite, one year of botany. 4 s.h. (E)

ASSISTANT PROFESSOR ADDOMS

52. **Local Flora.**—Practice in the identification and classification of plants, especially those occurring in the Piedmont Region. Laboratory, lectures, and field trips. Prerequisite, one year of botany. 4 s.h. (w)

PROFESSOR BLOMQUIST

53. General Bacteriology.—Offered in the first semester each year and in the second semester in alternate years. Prerequisite, one year of botany or zoölogy or equivalent. 4 s.h. (w)

PROFESSOR WOLF

[Not offered in second semester 1934-1935]

103. Morphology and Anatomy of Seed Plants.—A comparative study of representative seed plants, including vegetative and reproductive structures. Prerequisite, one year of botany. 4 s.h. (w)

DR. OOSTING

151. Plant Physiology.—The principal physiological processes of plants and the physico-chemical principles underlying these processes. Prerequisite, one year of botany; one year of chemistry recommended. 4 s.h. (w)

DR. KRAMER

156. Plant Ecology.—The principal factors affecting plants and plant communities as they exist in different environments. Laboratory, lectures, and field trips. Prerequisites, Botany 1, 2, and 52, or equivalents. 4 s.h. (w)

DR. OOSTING

202. Genetics.—The principles of heredity. Laboratory work involves experimental breeding of the fruit fly and observations on the breeding of plants. Prerequisites, one year of botany or zoölogy, or equivalent, and college algebra. 4 s.h. (w)

DR. PERRY

211. Structure and Classification of Algae.—The morphological and ecological characteristics of the common freshwater and marine forms and the principles underlying their classification. Collecting, identification, and the making of permanent microscopical preparations. Offered in alternate years. Prerequisite, two years of botany. 4 s.h. (w)

PROFESSOR BLOMQUIST

212. Structure and Classification of Bryophytes.—The structural and systematic characteristics of mosses and liverworts, including practice in the identification of the common forms. Field trips. Offered in alternate years. Prerequisite, two years of botany. 4 s.h. (w)

PROFESSOR BLOMQUIST

213. Structure and Classification of Pteridophytes.—Structure, development, and classification of ferns and fern allies, including fossil forms. Identification. Offered in alternate years. Prerequisite, two years of botany. 4 s.h. (w)

PROFESSOR BLOMQUIST

[Not offered in 1934-1935]

216. Botanical Microtechnique.—Studies in methods of preparing temporary and permanent microscopical slides; theory of staining; the use of the microscope, especially microscopical measurements, drawing, and microphotography; botanical photography, and lantern slides. Prerequisites, three semesters of botany. **4 s.h. (w)**

PROFESSOR BLOMQUIST

221. Structure and Classification of Fungi.—Offered in alternate years. Prerequisite, two years of botany. **4 s.h. (w)**

PROFESSOR WOLF

223. Diseases of Plants.—Special reference to crop plants. Offered in alternate years. Prerequisites, Botany 1, 2, and 52. **4 s.h. (w)**

PROFESSOR WOLF

[Not offered in 1934-1935]

225-226. Special Problems.—Credits to be arranged.

STAFF

251. Methods in Plant Physiology.—Some of the more important problems of plant physiology, with special consideration of the principles and methods of physiological research. Prerequisite, one course in plant physiology. **4 s.h. (w)**

DR. KRAMER

252. Chemical Plant Physiology.—The substances found in plants and the physical and chemical changes involved in their formation and utilization. Prerequisites, one year of chemistry and one course in plant physiology. Organic chemistry recommended. **4 s.h. (w)**

ASSISTANT PROFESSOR ADDOMS AND DR. KRAMER

256. Field Ecology.—An ecological survey of local vegetation, including theory and practice in the use of instruments for precise habitat studies, and analysis of community and successional relationships. Prerequisites, Botany 1, 2, and 52, or equivalent. **4 s.h. (w)**

DR. OOSTING

FOREST BOTANY

154. Forest Tree Characteristics and Identification.—The characteristics, classification, and identification of the more important forest trees. Laboratory and field work with trees in winter and summer condition; development and growth of the individual tree; common occurrence of different species and their rôle in forest types. Prerequisite, one year of botany. **4 s.h. (w)**

PROFESSOR KORSTIAN

224. Forest Pathology.—Special reference to diseases of forest trees. Offered in alternate years. Prerequisites, Botany 1, 2, and 154. **4 s.h. (w)**

PROFESSOR WOLF

254. Dendrology.—The characteristics, identification and taxonomy of trees with special reference to species native to North Carolina and other important forest regions of the United States. Studies of special groups included. Prerequisite, two years of botany. **4 s.h. (w)**

PROFESSOR KORSTIAN

CHEMISTRY

PROFESSORS GROSS AND WILSON; ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW,† MISS BROWN, MESSRS. CAMPBELL,* HAUSER, HILL AND SAYLOR; AND ASSISTANTS

1-2. General Inorganic Chemistry.—Lectures, recitations, and laboratory work on the elementary principles of chemistry and on the occurrence, preparation, properties, and uses of the elements and their compounds. It is desirable, though not required, that students taking this course shall have taken elementary physics either in high school or in college. One lecture, two recitations, and three laboratory hours, throughout the year. **8 s.h. (w & e)**

PROFESSOR WILSON AND DR. HILL WITH PROFESSOR GROSS, DRs. BROWN, CAMPBELL, HAUSER, AND SAYLOR; MISS GORMAN, MESSRS. HOBBS, JACOKES, LeMAISTRE, MILLER, RINTELEN AND WHITENFISH

61. Qualitative Analysis.—A study of the reactions of acids, bases, and salts in solution as applied to the qualitative analysis of mixtures of inorganic compounds of the more familiar elements. Two lectures and six laboratory hours. Prerequisites, Chemistry 1-2 and college algebra. **4 s.h. (w)**

ASSOCIATE PROFESSOR VOSBURGH, MESSRS. CAGLE, JACOKES, RINTELEN AND SHANKLE

70. Quantitative Analysis.—A number of representative quantitative analyses are carried out in the laboratory, and the underlying theory is taken up in the lectures. Two lectures and six laboratory hours. Prerequisite, Chemistry 61. Analytic geometry and college physics are desirable but not required. **4 s.h. (w)**

ASSOCIATE PROFESSOR VOSBURGH, MESSRS. CAGLE, JACOKES, RINTELEN AND SHANKLE

81. Household Chemistry.—A course dealing with materials used chiefly in the home. It is open to students who have passed Chemistry 1-2 or who have had elementary chemistry accepted for entrance credit. Two recitations and three laboratory hours. (If called for.) **3 s.h. (e)**

PROFESSOR WILSON

142. Food and Nutrition.—This course naturally follows course 81 and may be taken by persons who have passed that course or those who have taken or are taking course 151-152. Two recitations and three laboratory hours. **3 s.h. (w)**

PROFESSOR WILSON

† On leave as Exchange Professor, 1933-4.

* Exchange Lecturer 1933-4.

151-152. Organic Chemistry.—An introduction to the study of the compounds of carbon. Both the aliphatic and the aromatic series are dealt with, and the lectures illustrated by selected laboratory experiments. Two lectures, one recitation, and three laboratory hours. Prerequisites, Chemistry 61 and 70 unless specifically excused by the Department. Course 151 is prerequisite for 152. **8 s.h.** (w)

ASSISTANT PROFESSOR BIGELOW, DRs. BROWN, CAMPBELL, AND HAUSER, MESSRS. LEMAISTRE AND MILLER

215-216. Advanced Inorganic Chemistry.—A study of modern valence theory and of inorganic compounds, particularly of the less common types, illustrated by suitable laboratory preparations. Two recitations and three laboratory hours. Prerequisites, Chemistry 1-2, 61, 70, and 151-152. Chemistry 261-262, advanced physics, and ability to read German are desirable. **6 s.h.** (w)

ASSOCIATE PROFESSOR VOSBURGH, AND DR. HILL

231. Instrumental Analysis.—A study of the use of physical measuring instruments in chemical analysis. One recitation and six laboratory hours. Prerequisites, Chemistry 70 and 261-262. Laboratory physics is desirable. **3 s.h.** (w)

ASSOCIATE PROFESSOR VOSBURGH, AND DR. SAYLOR

232. Advanced Quantitative Analysis.—A continuation of course 70, involving some of the more difficult analytical methods, including quantitative organic analysis. One recitation and six laboratory hours. Prerequisites, Chemistry 70, 151-152. Chemistry 261-262 is desirable. **3 s.h.** (w)

ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, AND DR. BROWN

241. Physiological Chemistry.—A study of the chemistry of human physiology. Clinical aspects of the subjects are treated with reference to the need of prospective medical students. Two recitations and six laboratory hours. Prerequisites, Chemistry 70 and 151-152. Course 261-262 is desirable though not required. **4 s.h.** (w)

PROFESSOR WILSON

242. Metabolism.—Open to students who have completed course 241 or its equivalent, and who have a reading knowledge of German. Lectures and collateral reading deal with the probable fate of foodstuffs in the body, the nitrogen balance, energy requirement, nutritive ratios, vital factors, and ductless glands. The laboratory work consists mainly of blood analysis under both normal and pathological conditions. The laboratory work of this course without the lectures may be taken by students who have passed Chemistry 241. In this case only two semester-hours credit will be given. **4 s.h.** (w)

PROFESSOR WILSON AND MR. LEMAISTRE

251-252. Intermediate Organic Chemistry.—Intended for students who have had elementary organic chemistry but whose preparation is insufficient for Chemistry 253-254 or research, and to meet the minor requirements of graduate students in other departments. Three recitations. **6 s.h. (w)**

ASSISTANT PROFESSOR BIGELOW

253-254. Advanced Organic Chemistry.—A continuation of Chemistry 151-152, including discussion of the theories of organic chemistry. The laboratory work will include qualitative organic analysis, together with preparations of the more difficult type, requiring reference to the original literature. One lecture and nine laboratory hours. Prerequisites, Chemistry 151-152 or equivalent and a reading knowledge of German. **8 s.h. (w)**

ASSISTANT PROFESSOR BIGELOW, DRs. BROWN,
CAMPBELL AND HAUSER

260. Colloid Chemistry.—An introductory study of the colloidal state of matter. Two recitations and three laboratory hours, for one semester. Prerequisites, Chemistry 151-152 and 261. **3 s.h. (w)**

ASSOCIATE PROFESSOR VOSBURGH, AND DR. SAYLOR

261-262. Physical and Electro Chemistry.—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Two recitations and three laboratory hours. Prerequisites, Chemistry 70, 151-152, college physics, and college algebra. Calculus is desirable but is not required. **6 s.h. (w)**

PROFESSOR GROSS, AND DR. SAYLOR

271. Introduction to Research.—Lectures on the use of chemical literature, research methods, recording and publication of results, preparation of theses, and other topics. One lecture. **1 s.h. (w)**

PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH, AND
ASSISTANT PROFESSOR BIGELOW AND DR. CAMPBELL

273-274. Seminar.—Open to seniors qualifying for honors in the department and required of all graduate students in chemistry. One hour a week discussion. **2 s.h. (w)**

DR. HILL WITH PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH,
ASSISTANT PROFESSOR BIGELOW, DRs. BROWN, CAMPBELL,
HAUSER, AND SAYLOR

275-276. Research.—The aim of this course is to give instruction in methods used in the investigation of original problems. Nine hours a week laboratory and conferences. **3 or 6 s.h. (w)**

Student may elect the first semester without taking the second. The amount of credit will depend on whether the course is pursued for one or two semesters. It is open to seniors who have had courses 70, 151-152, and who are taking 261-262.

PROFESSORS GROSS AND WILSON, ASSOCIATE PROFESSOR VOSBURGH,
ASSISTANT PROFESSOR BIGELOW, DRs. BROWN,
HAUSER, HILL, AND SAYLOR

280. Teaching of Chemistry.—Members of this course spend from 5 to 6 hours a week in laboratory instruction, each having supervision of about 24 students. The members of the course also meet one hour a week for lecture, conference, or recitation. In addition to the above hours, they prepare the regular work of the course in which they are supervising, correct laboratory notebooks, and do the reference reading and study necessary for the conference hour. *One semester, to be arranged with the Department. 2 or 3 s.h. (w)*

(The amount of credit depends on whether 3 or 6 hours are spent in the laboratory in addition to the conference hour.)

PROFESSOR WILSON

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSORS GLASSON, HAMILTON, AND HOOVER; ASSOCIATE PROFESSOR TROXELL;* ASSISTANT PROFESSORS LONDON, ROBERTS, SHIELDS, AND TOWE;
MESSRS. BLACK, HARVILL, KEECH, KOONTZ, LEMERT, NICHOL,
RATCHFORD, SMITH, AND WALLACE

This department offers instruction in general economics, business administration, and accounting. The general course in economics affords a survey of the whole field of economic thought and lays the foundation for specialized study in various branches of the subject. Advanced courses are offered in theoretical and applied economics.

A special group of studies is provided for candidates for the bachelor of arts degree who are definitely looking forward to a business career at the conclusion of their college course. While this group is mainly composed of liberal rather than technical studies, it gives opportunity in the junior and senior years for specialized study in such subjects as money and banking, public and corporation finance, investments, railroad and water transportation, marketing, insurance, industrial management, accounting, and business statistics.

A-B. Modern Industry: Economic Geography.—First semester: a descriptive survey of our modern industrial system, the work which it does, and the relations of the various parts to each other. Second semester: A regional study of the economic geography of the different countries of the world. The natural features and resources, agriculture, manufacturing, and commerce are treated. Required of freshmen in the Business Administration Group. **6 s.h. (w)**

ASSISTANT PROFESSOR LONDON, DR. LEMERT, AND NICHOL

51-52. Principles of Economics.—This course must be taken by all students planning to elect further courses in economics and business administration. Old number 1. **6 s.h. (w & e)**

PROFESSOR HOOVER, ASSOCIATE PROFESSOR TROXELL, ASSISTANT PROFESSOR ROBERTS, DR. HARVILL, NICHOL, AND SMITH,
MESSRS. KEECH, KOONTZ, AND WALLACE

* Resigned November 1, 1933.

103. Transportation.—Essential features, problems and competitive positions of rail, highway, water, and air transportation. Special attention is devoted to valuation, rates, and regulation as applied to railway transportation. Collateral reading and the preparation of papers are required. *For juniors and seniors.* 3 s.h. (w)

ASSISTANT PROFESSOR LANDON

105. Industrial Management and Business Forecasting.—A study of the organization and management of industry, with emphasis upon the business applications of the principles developed. Problems of interrelations of functions operating in the several fields of management, such as production control, personnel; the forecasting of business conditions. *For juniors.* 3 s.h. (w)

ASSOCIATE PROFESSOR TROXELL AND MR. KOONTZ

115. Economic Geography; Teachers' Course.—*This course is not open to students who have received credit for Economics A.* Required of all students in Teaching Group, Class B. The study of the interrelation of human activities and environmental elements. The discussion embraces location, maps and their interpretation, the major climatic regions, seasonal influences, weather, lands and their uses, soils and minerals, bodies of water, plants, animals, and the works of man as environmental factors. 3 s.h. (E)

DR. LEMERT

116. Economic Geography and Industrial Organization.—*This course is not open to students who have received credit for Economics A.* Required of all students in Teaching Group, Class B. A study of the economic resources of the world: the products of the agricultural and manufacturing industries; trade routes and trade centers; the balance of trade and its relation to industrial development; and the influence of geographic factors on the commercial policy of nations. Prerequisite, course 115. 3 s.h. (E)

DR. LEMERT

118. Economic Geography of the Southern States.—A study of the agricultural, industrial and commercial development, with special emphasis placed upon the development of manufacturing in the southern Appalachian Piedmont and the Coosa and Tennessee Valleys. This course is designed to serve not only teachers, but all others interested in the development of this region. Prerequisites, Economics A, Economic Geography 115, or with the consent of the instructor. 3 s.h. (w)

DR. LEMERT

137-138. Business Statistics.—A year's course in elementary statistics, designed principally for students of Economics and Business Administration. The material is also of interest to those specializing in Engineering, Forestry, Political Science, Sociology, and other subjects. The first term is devoted to a study of statistical methods; the second term, to application of these methods. Very little algebra and no higher mathematics is required. *For juniors and seniors.* 6 s.h. (w)

DR. NICHOL

[Note: The attention of students who are taking, or who propose to take, courses 143, 144, 158 is called to Mathematics 71, "Mathematics of Investment." This course is recommended as an elective for sophomores or juniors.]

Economics 143-144. Corporation Finance and Investment.—Principles and problems in the financial organization of corporations; the study of corporate securities, the management of capital, and the distribution of earnings; industrial combinations; insolvency and reorganization; the accumulation of capital and investment in corporate and other types of securities; speculation in securities and the work of stock exchanges. Required of juniors in the Business Administration group. Prerequisite, course 51-52. **6 s.h.** (w)

DRS. RATCHFORD, SMITH, AND HARVILL

158. Insurance.—A study of (1) the economic services, (2) the important principles and practices, and (3) the principal legal phases of life, fire, health and accident, employers' liability, title, and credit insurance, and bonding companies. *For juniors.* **3 s.h.** (w)

MR. KOONTZ

168. Marketing.—The fundamental principles of marketing. The topics covered include marketing functions, organization, and methods; financing marketing activities; price principles and practices; risk and speculation; coöperative marketing; regulation; and means for improvement. Collateral reading and the preparation of papers are required. *For juniors and seniors.* **3 s.h.** (w)

ASSISTANT PROFESSOR LONDON

181-182. Business Law.—The fundamental principles of law as applied to common business transactions. The topics presented are: contracts, agency, bailments, sales, negotiable instruments, partnership, corporations, and bankruptcy. Textbook: Bays, *Business Law*. Casebook: Bays, *Cases on Commercial Law*. Required of seniors in the Business Administration Group. Old number 178. **6 s.h.** (w)

ASSISTANT PROFESSOR TOWE

203. Money and Banking.—After a preliminary study of monetary history and theory, together with an account of the development of credit instruments, there follows a more extended presentation of the theory and practice of banking. The first section of this course (*M.W.F., third period*) is limited to twenty-five graduates and seniors of superior standing. Junior honors students may be admitted to the second and third sections with consent of the instructor. **3 s.h.** (w)

PROFESSOR GLASSON AND DR. RATCHFORD

211-212. History of Political Economy.—This course traces the development of economic theory, giving special attention to the various schools of economic thought in England, France, Germany, and the United States. A large amount of collateral reading in the works of typical authors is

required. Lectures and class-discussions. *For graduates, and seniors with the consent of the instructor.* Old number 210. 6 s.h. (w)

PROFESSOR HAMILTON

213-214. Advanced Economic Theory.—This course is designed to introduce students to some of the more complex aspects of economic theory. Controversial phases of theory are surveyed through the medium of the works of the foremost modern economists. The course will also serve as a general review of economic theory for graduate students. *For graduates, and seniors with the consent of the instructor.* Old number 212. 6 s.h. (w)

PROFESSOR HOOVER

215. Economic Systems.—A study of alternative economic systems. In addition to an analysis of communism, anarchism, and the variants of socialism, the course will include a consideration of other proposed modifications of the existing economic order. Old number 214. 3 s.h. (w)

PROFESSOR HOOVER

216. Economic Functions of the State.—A consideration of the primary and secondary economic functions of government and of the legislation which provides for the performance of these functions, such as social legislation and the regulation of commerce and industry. Old number 215. 3 s.h. (w)

PROFESSOR HOOVER

217. Economic Stabilization.—A survey and critical analysis of the national and international factors which led to the present state of national and international economic instability with its attendant unemployment; examination and critical appraisal in economic terms of the numerous proposals which have been advanced to stabilize capitalism and to mitigate the social costs of instability; a consideration of the limits and the consequences of social control of economic life. 3 s.h. (w)

[Not offered in 1934-1935]

218. Population Problems and the Standard of Living.—A critical survey of the economic laws of returns and of pre- and post-Malthusian population theory; consideration of the relation between natural increase and the laws of economic distribution and of the effects of changes in the rate of natural increase upon various classes of industry and upon employment; examination of the factors which govern population growth and of current population trends; analysis of international economic and political problems which are founded upon population pressure; consideration of the economic and the biological aspects of differential birth rates. 3 s.h. (w)

[Not offered in 1934-1935]

231. The Economic History of England.—A study of England since the eleventh century, treating the manorial system, the guilds, mercantilism, and the course of the commercial and industrial revolutions to the present. 3 s.h. (w)

ASSISTANT PROFESSOR ROBERTS

232. Economic History of the United States.—A history of the economic progress of the United States from the formation of the Union to the present day, with special emphasis upon the interrelation of economic development in the United States and in foreign nations. **3 s.h.** (w)

ASSISTANT PROFESSOR ROBERTS

236. Public Finance.—This course deals with public expenditures, public revenues, public debts, and financial administration. Old number 235. The first section of this course (*M.W.F., third period*) is limited to twenty-five graduates and seniors of superior standing. Junior honors students may be admitted to the second and third sections with the consent of the instructor. **3 s.h.** (w)

PROFESSOR GLASSON AND DR. RATCHFORD

237. American Federal Finance.—A survey of the organization and methods of contemporary American federal finance with special attention to tariff revision, public-debt administration, and budgetary procedure. **3 s.h.**

[Not offered in 1934-1935]

253. Trade Unionism and Labor Problems.—A study of the history, structure, policies, and methods of the organized labor movement in this country. Case studies are made of several unionized industries, and of certain unions. **3 s.h.** (w)

ASSOCIATE PROFESSOR TROXELL AND MR. KOONTZ

254. Industrial Relations.—The evolution and present status of modern labor conditions and labor relations. Methods used by employers and by employers' associations in meeting their labor problems. The law as it deals with relations of employer and employee, including governmental intervention in labor disputes. Trends in present-day industrial government in this country and abroad. Course 253 is a prerequisite. Old number 255. **3 s.h.** (w)

MR. KOONTZ

[Not offered in 1934-1935]

255. Labor Administration.—A study of the problems of industrial management in their bearing upon labor relations. Employment management, the techniques of scientific management, joint relations, industrial training, the labor market, and related topics are surveyed. Old number 256. **3 s.h.** (w)

[Not offered in 1934-1935]

256. Labor Legislation.—A course of study dealing with the basis of labor law; the minimum wage, hours of labor, safety and health, and social insurance. The important cases and court decisions with respect to their social significance will be used for class discussion. Old number 257. **3 s.h.** (w)

265. International Trade and Tariff Policies.—An analysis of the theoretical principles underlying international trade with an historical study of the foreign trade and tariff policies of the United States, France, Germany, and England from the eighteenth century to the present. **3 s.h. (w)**

ASSISTANT PROFESSOR ROBERTS

266. International Finance.—A study of the mechanism of international payment with attention to international movements of capital, the peculiarities of an inconvertible paper money régime, and recent international monetary problems. **3 s.h. (w)**

ASSISTANT PROFESSOR ROBERTS

267-268. Business History.—A study of money makers and money making from the late middle ages to 1913. Attention will be given to the economic phenomena, such as fluctuations of prices, business cycles, monetary inflation, technological progress and shifts in demands, markets, and sources of supply—which have affected the accumulation of large fortunes. Attention will also be given to the relative profits of industries at different periods. Old number 267. **4 s.h. (w)**

PROFESSOR HAMILTON

ACCOUNTANCY

57-58. First-Year Accounting.—Elementary principles of single proprietorship, partnership, and corporation accounting. Supervised laboratory periods will be assigned. Old number 7. **6 s.h. (w)**

ASSISTANT PROFESSOR SHIELDS, MESSRS. BLACK, KEECH,
WHITMAN, GARNER, AND HARDIN

171-172. Second-Year Accounting.—Advanced accounting theory and practice applied to the managerial problems of valuation and operation in corporations, consolidations, mergers, and liquidations. Open to students who have completed Accounting 57-58. **6 s.h. (w)**

ASSISTANT PROFESSOR SHIELDS

173-174. Auditing, Theory and Practice.—This course prepares the manager to investigate the operation of his own business, the prospective investor to determine the value of the proposition, the student to practice the public accounting profession. The first semester deals with details and balance sheet audits and the second semester with special investigations. Problems, working papers, and reports. Students are admitted to the course by permission of the instructor. *For seniors.* Old number 173. **6 s.h. (w)**

MR. BLACK

175-176. C. P. A. Review.—Thorough practice in classroom to prepare candidates for the Certified Public Accountant examination. The object is to train students to apply accounting principles and to work in classroom under substantially the same conditions as in the examination room. Practical accounting problems, auditing analysis, and theory of accounts. Students are admitted to the course by permission of the instructor. *For seniors.* Old number 174. **6 s.h. (w)**

MR. BLACK

[Not offered in 1934-1935]

177. Income-Tax Accounting.—A study of federal and state income-tax laws; problems in the preparation of tax returns and claims for refund. *For seniors.* Old number 176. **3 s.h.** (w)

ASSISTANT PROFESSOR SHIELDS

178. Modern Accounting Systems.—Systems and the forms for recording data of basic manufacturing industries, banks, building and loan associations, estates, and municipalities. Special attention will be paid to budgetary accounting. *For seniors.* Old number 177. **3 s.h.** (w)

ASSISTANT PROFESSOR SHIELDS

275-276. Advanced Industrial Accounting and Management.—This course traces the ways and means of executive control through statistics and industrial accountancy. Emphasis is put upon the economics of overhead costs. A complete practice set of cost-accounting is worked by each student during the course. Old number 275. **6 s.h.** (w)

Courses 57-58 and 105 are ordinarily prerequisites for this course.

MR. BLACK

EDUCATION

PROFESSORS HOLTON, BROWNELL, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR CARR; ASSISTANT PROFESSOR EASLEY; MRS. SMITH, MESSRS. GODARD AND PULLIAS; AND ASSISTANTS

The purposes of the Department of Education are: (1) to develop greater appreciation of the value of the school as an institution; (2) to provide a sound basis for education through a study of the individual, the process of his growth, and the nature of learning; (3) to acquaint the student with the status of elementary and secondary education of the present day, and to equip him for service in these fields as superintendent, supervisor, principal, or teacher.

Courses in the department are designed for three groups of students: (1) students with teaching experience or others who have definitely chosen teaching as their life work; (2) juniors and seniors who desire to study the school as an outstanding social institution; and (3) teachers whose work will permit them to enroll in Saturday and afternoon classes.

Students who do not expect to teach but merely desire an understanding of the school as part of a liberal education are advised to elect such courses as 4, 8, 54, 104, and 105 for their introductory work in the department and then to elect further work in accordance with their special interests. Students who expect to engage in the various phases of teaching should plan their courses in accordance with the general regulations for Groups V and VI as outlined in this catalogue. Students preparing for college teaching should elect courses in the history and philosophy of education and in educational psychology.

1. Orientation Course in Study and Study Habits.—A course for freshmen whose high-school and other records indicate the need of help in working out a satisfactory method of study. The factors of study, the use of text-books, note-taking from lectures and parallel readings, and

applications of the factors of study to the daily problems of the student are among the matters considered. *Either semester. 3 s.h. (w & e)*

ASSISTANT PROFESSOR EASLEY, MESSRS. GODARD AND PULLIAS

4. Introductory Course in History of Education.—A special section of course 54, for sophomores and for freshmen who have had course 8. **3 s.h. (E)**

PROFESSOR HOLTON AND MR. GODARD

8. The Learning Process.—A course in elementary educational psychology, required of all freshmen and sophomores entering Group V. *Either semester. 3 s.h. (w & e)*

ASSISTANT PROFESSOR EASLEY AND
MESSRS. GODARD AND PULLIAS

54. Introductory Course in History of Education.—A study of the types of educational systems and institutions evolved in Western Europe and the United States as an introduction to current educational problems. Students desiring to enter honors work in education must complete course 4, 54, or 83 prior to the end of the sophomore year. **3 s.h. (w)**

PROFESSOR HOLTON

58. The Learning Process.—A special section of course 8, intended for juniors. *Either semester. 3 s.h. (E) first semester and (w) second semester.*

PROFESSOR BROWNELL AND ASSISTANT PROFESSOR EASLEY

68. Mental Hygiene of the School Child.—A study of personality factors as related to the adjustment and success of the school child; the foundations of motivation; typical problems of maladjustment; social heredity and its educational implications; variations in intelligence. **3 s.h. (E)**

ASSISTANT PROFESSOR EASLEY

83. Current Trends in American Public-School Organization.—A study of current controversies and criticisms bearing on the organization and administration of the public schools, recent developments in the organization of schools, and the theories underlying these developments. All sophomores expecting to qualify for the honors course in education should enroll in 83 the first semester or 54 the second. **3 s.h. (E)**

PROFESSOR PROCTOR

101. Introduction to Teaching.—A survey of the work of the teacher based upon a general theory of the learning and teaching process. Preliminary discussion of the qualifications and training of teachers and the nature and aims of education. Development of a theory of the curriculum; discussion of the nature of subject-matter as related to pupil activity; modern classroom procedure in teaching, including an introduction to educational measurements. Old number 61. **3 s.h. (E)**

ASSOCIATE PROFESSOR CARR

103. School Organization and Administration for the Classroom Teacher.—A study of the problems of school organization, control, and administration as they arise in the work of the classroom teacher. *Either semester. 3 s.h. (w) first semester and (E) second semester.*

PROFESSOR PROCTOR

104. History of Education in the United States.—3 s.h. (E) *first semester.*

PROFESSOR HOLTON

105. Introduction to Educational Sociology.—A study of social forces, processes, and values as affecting education, and the interaction of school and community. 3 s.h. (w)

PROFESSOR CHILDS

106. Principles of Secondary Education.—A study of the nature and scope of secondary education, emphasizing an introduction to the professional literature in the field. Students preparing to teach in junior high schools are permitted to concentrate in the junior high school field. Not open for enrollment to students who have had course 110. *Either semester. 3 s.h. (w) first semester and (E) second semester.*

PROFESSOR CHILDS

110. Introduction to Secondary-School Teaching.—A special section of course 101; open for enrollment to juniors who have not had 101 and are preparing to teach in secondary schools. 3 s.h. (w)

PROFESSOR PROCTOR

[Not offered in 1934-1935]

112. Methods of Teaching and Presentation of Subject-Matter in the Primary School.—A study of materials and methods in the primary school subjects with special reference to reading, language, number, and the social studies; introduction to the psychology of the primary school branches. A minimum of thirty laboratory periods of observation and practice-teaching. Prerequisite, course 101. *For seniors only. 4 s.h. (E)*

ASSOCIATE PROFESSOR CARR

A. Public-School Drawing.—This course is offered to develop certain skills fundamental in the teaching of public-school drawing, as well as skills that will prove of help in teaching other subjects of the elementary-school curriculum. Topics: color theory, design, perspective, representation, illustration, and picture study. Media: charcoal, water colors, crayons, and clay. This course is open only to students who are attempting to meet certification requirements for a North Carolina primary- or grammar-grade certificate and does not carry credit toward a degree. *For juniors and seniors. First semester. (3 points professional credit only.) (E)*

MRS. MASON

[Not offered in 1934-1935]

B. Industrial Art in the Public School.—Manipulation and work with clay, textiles, wood, paper, food, and printing, intended to give the child an acquaintance with the raw products of nature and the changes made in them so that they may be more usable for food, clothing, shelter, utensils, and tools. Each student taking the course must complete a project based upon the work of the grade in which she expects to teach. This course is open only to students who are attempting to meet certification requirements for a North Carolina primary- or grammar-grade certificate and does not carry credit toward a degree. *For juniors and seniors. First semester. (3 points professional credit only.)* (E)

MRS. MASON

C. Public-School Music.—A course in the fundamentals necessary for grade teaching. Such topics as sight singing, ear training, reading and dictation, rote songs, and child voice will be discussed. This course is open only to students who are attempting to meet certification requirements for a North Carolina certificate and does not carry credit toward a degree. *For juniors and seniors. Second semester. (3 points professional credit only.)* (E)

MRS. TWADDELL

116. Junior and Senior High School Methods: Observation and Practice Teaching.—A required course for prospective high school teachers, open only to seniors who have completed or are carrying course 106. *Students must arrange their schedules to permit four hours weekly of observation and practice teaching. Since practice teaching facilities are limited, students with superior records will be given preference in the practice teaching. No student whose record is below "C" will be permitted to do practice work. For seniors only. Either semester. 3 s.h. (E) first semester and (w) second semester.*

PROFESSOR CHILDS AND MR. HATHORN

118. Educational Implications of Genetic Psychology.—A course tracing the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.; the process of socialization; and similar material of especial significance to teachers in the elementary schools. **3 s.h. (w)**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

122. Methods of Teaching and Presentation of Subject-Matter in the Grammar Grades.—A study of materials and methods in the grammar grade subjects with special reference to reading, language, number, and the social studies; introduction to the psychology of the grammar grade branches. A minimum of thirty laboratory periods of observation and practice-teaching. Prerequisite, course 101. *For seniors only. 4 s.h. (E)*

ASSOCIATE PROFESSOR CARR

131. Observation and Practice-Teaching.—Open to seniors who are enrolled in course 101. Separate work for primary and grammar grade teachers. **1 s.h. (E)**

ASSOCIATE PROFESSOR CARR

136. The Teaching of High-School English.—Identical with English 142. *For seniors only.* **3 s.h. (w)**

ASSISTANT PROFESSOR A. C. JORDAN

142. Children's Literature.—A critical study of literature for the elementary grades; types of literature; story telling; principles underlying and practice; bibliographies and use of library. Students enrolled will be allowed to specialize in literature of either the primary or grammar grades. **3 s.h. (E) first semester.**

ASSOCIATE PROFESSOR CARR

155. The Teaching of Secondary-School Latin.—Identical with Latin 109. *For seniors only.* **3 s.h. (w)**

PROFESSOR ROSBOROUGH OR PROFESSOR ANDERSON

170. The Social and Economic Position of Women.—A course in vocational guidance for women counting as a general elective, but not as part of either a major or minor in Education or towards a North Carolina state teacher's certificate. The purpose of the course is to give the historical background of the changing social and economic position of women, the contributions made by outstanding women, and the vocational opportunities open to women. **2 s.h. (E)**

MRS. SMITH

176. Materials and Methods in High-School Science.—Discussion, based upon lectures and collateral reading, of such topics as aims, tests for values, the curriculum, class-room procedure, course and lesson planning in secondary-school science. The class is limited in number to twenty, admission being made only after consultation with the instructor, preferably during the preceding spring. Only such seniors are admitted as are thinking seriously of teaching science in the high schools and have taken at least eighteen hours of science in college. *For seniors only.* **3 s.h. (w)**

PROFESSOR CHILDS

[Not offered in 1934-1935]

200. Introduction to the Philosophy of Education.—A consideration of fundamental concepts underlying educational theory. **3 s.h. (w)**

PROFESSOR HOLTON

206. Sociological Foundations of the Secondary-School Subjects.—A consideration of the aims and objectives of secondary-school subjects, emphasizing practical problems of curriculum-making in the high school. Prerequisite, six semester-hours in education, including course 105. Old number, 205. **3 s.h. (w) first semester.**

PROFESSOR CHILDS

207. Technique of Teaching.—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. Prerequisite, teaching experience or six semester-hours of work in materials and methods. **3 s.h.**

ASSOCIATE PROFESSOR CARR

208. Mental Tests and Applications.—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. Prerequisite, course 258, or six semester-hours of other work in educational psychology or psychology. **3 s.h. (w)**

ASSISTANT PROFESSOR EASLEY

209. Statistical Methods Applied to Education.—A study of statistical methods of treating educational and social data designed to enable teacher or administrator to interpret and use the results of scientific investigations in education. **3 s.h. (w)**

ASSISTANT PROFESSOR EASLEY

212. Psychology of the Elementary School Subjects.—A study of the psychology of learning as applied to teaching the common-school subjects. **3 s.h.**

ASSOCIATE PROFESSOR CARR

214. History of Education in the United States.—A study of the development of the American public school and the interaction of higher education and the public school. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

215. Principles of Educational and Vocational Guidance.—A study of the objectives and underlying principles of guidance, emphasizing this phase of education in North Carolina and the South. The study seeks to formulate a working program for vocational counsellors and others whose teaching function will involve problems of vocational and educational guidance. Prerequisite, six semester-hours in educational sociology, preferably courses 105 and 206. **3 s.h.**

PROFESSOR CHILDS

[Not offered in 1934-1935]

216. Psychological Principles of Secondary Education.—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. Old number, 206. **3 s.h. (w)**

PROFESSOR CHILDS

218. Educational Implications of Genetic Psychology.—Special section of course 118, intended primarily for graduate students, ordinarily not offered the same year in which 118 is given. Prerequisite, six semester-hours of psychology or educational psychology. **3 s.h. (w)**

PROFESSOR BROWNELL

219. Experimental Education.—This course is designed to provide training (1) in planning, (2) in prosecuting, and (3) in reporting quantitative investigations in the field of education, more especially in the field of learning and teaching the various school subjects. **3 s.h.** (w)

PROFESSOR BROWNELL

[Not offered in 1934-1935]

222. The Curriculum and Materials of the Elementary Grades.—A study of curriculum problems in the elementary school. **3 s.h.**

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

224. Current Problems in Public Education as Revealed through School Surveys.—A study of recent developments in public education as revealed through school surveys and resulting from the survey movement. *Second semester.* **3 s.h.** (w)

PROFESSOR HOLTON

[Not offered in 1934-1935]

225. The Teaching of High-School History.—Identical with History 211. The course counts as an elective in the Department of Education only when approved by the department and the instructor. **3 s.h.** (w)

ASSOCIATE PROFESSOR SHRYOCK AND DR. MANCHESTER

227. The Psychology of Learning: Problems.—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. Old number, 228. **3 s.h.** (w)

ASSISTANT PROFESSOR EASLEY

228. The Psychology of Learning, Theoretical and Experimental.—This is a continuation of 227. In this semester the laws of learning, the most important explanatory principles, and the major system of the psychology of learning will be considered. Class experiments will run throughout the semester. Prerequisite, 227 or its equivalent. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

232. Elementary-School Supervision.—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. **3 s.h.**

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

233. Administrative Pupil-Accounting.—An advanced study of gradation and classification of pupils, with incidental attention to the keeping of records and the making of reports. The study includes a consideration of individual differences, promotions, acceleration, and retardation of pupils; the various plans for classification and gradation; interpreting the results of tests; and some practice in the computation of statistical measures. **3 s.h.**

PROFESSOR PROCTOR

234. Secondary-School Organization and Administration.—A study of the outstanding problems of secondary-school organization and administration other than the problem of gradation and classification of pupils. **3 s.h.**

PROFESSOR PROCTOR

237. Investigations in Reading.—A summary of the results of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing, diagnosis, and supervision; emphasis on problems requiring further investigation. **3 s.h.** (E)

ASSOCIATE PROFESSOR CARR

244. Studies in the Historical Development of Public-School Administration.—An advanced course devoted to the development of public-school administration in the South, with especial reference to North Carolina as a type. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

246. The Teaching of Mathematics.—Identical with Mathematics 204. The course counts as an elective in the Department of Education only when approved by the department and the instructor. **3 s.h.** (w)

PROFESSOR RANKIN

247. Investigations in Arithmetic.—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. Old number, 248. *Second semester.* **3 s.h.** (w)

PROFESSOR BROWNELL

[Not offered in 1934-1935]

253. Legal Phases of School Administration.—A study of judicial decisions and the development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

254. History of Secondary Education in the United States.—A study of historical and comparative conceptions of the secondary school, changes in American life affecting the secondary school, present status of the secondary school, current tendencies toward expansion, and the problem of state and federal aid. **3 s.h.** (w)

PROFESSOR PROCTOR

[Not offered in 1934-1935]

258. Educational Measurements.—A critical study of the principles and techniques involved in measurement in education, with opportunity for individual research. Prerequisite, twelve semester-hours in the Department, including a course in educational psychology. **3 s.h. (w)**

PROFESSOR BROWNELL

264. Recent Movements in American Education.—An intensive study of educational thought and practice since 1900. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

266. The Teaching of High-School French.—Identical with French 218. **3 s.h. (w)**

PROFESSOR WEBB

294. Comparative Education: Recent Movements in European Educational Systems.—A comparative study of the school systems of the principal countries of Europe, with emphasis upon changes since the World War. **3 s.h.**

ASSOCIATE PROFESSOR CARR

FOR TEACHERS IN SERVICE AND FOR OTHER STUDENTS BY PERMISSION

Teachers are referred to such courses, listed for seniors and graduates, on this page and preceding pages, as may be scheduled for late afternoon hours and Saturday periods. Graduate teachers will find other courses in the graduate section of the annual catalogue and in the graduate bulletin. Undergraduate courses are offered when there is sufficient demand from teachers in the elementary schools.

CIVIL AND MECHANICAL ENGINEERING

ASBURY AND BIVINS BUILDINGS

PROFESSORS BIRD, HALL, AND WILBUR; MESSRS. LEWIS AND MATTHEWS

DRAWING

1. Engineering Drawing.—Orthographic projection, lettering, pictorial representation, developments, intersections, use of universal drafting machine. **2 s.h. (E)**

STAFF

2. Engineering Drawing.—For students in civil engineering and forestry. Methods of plotting, topographic symbols, simple structures in wood and steel. Prerequisite, course 1. **2 s.h. (E)**

STAFF

4. Engineering Drawing.—For students in electrical and mechanical engineering. Elementary machine drawing. Prerequisite, course 1. **2 s.h. (E)**

STAFF

5-6. Descriptive Geometry.—Problems relating to point, line, plane, and solid. Concurrent with courses 1 and 2-4. No credit given unless taken for two semesters. **2 s.h. (E)**

STAFF

MECHANICS

8. Mechanics.—Concurrent forces, parallel forces, non-concurrent and non-parallel forces, centroids, friction, moment of inertia, translation, rotation, work, energy, and momentum. Prerequisite, course 1, Mathematics 55. **5 s.h. (E)**

PROFESSOR BIRD AND MR. LEWIS

107. Strength of Materials.—Elastic bodies under stress; flexure of simple, overhanging, fixed, and continuous beams; columns; combined stresses; etc. Prerequisite, course 8. **4 s.h. (E)**

PROFESSOR BIRD AND MR. LEWIS

108. Hydraulics.—Hydrostatics; flow of water through orifices, weirs, pipes, and open channels; general principles of water wheels and turbines. Prerequisite, course 8. **4 s.h. (E)**

PROFESSOR HALL

CIVIL ENGINEERING

10. Plane Surveying.—Use of instruments; transit, stadia, compass and plane table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes and departures; areas by planimeter; methods of plotting; survey and plot of sections of the campus by stadia, and transit and tape. Eight hours a day, three weeks, Summer School. Prerequisite, course 1, Trigonometry. **3 s.h. (E)**

For fee of this course, see bulletin of the Summer School.

PROFESSORS BIRD AND HALL, AND MR. LEWIS

11. Higher Surveying.—Care and adjustment of instruments; topographical surveying; surveys and resurveys; laying out and division of land; Public Land system; further calculations, omitted measurements, areas by double longitude; quantities from profiles and cross sections. Prerequisite, course 10. **2 s.h. (E)**

PROFESSOR HALL

110. Plane Surveying.—Similar to course 10 but especially arranged for students in forestry. Eight hours a day, three weeks, Summer School. Prerequisite, Engineering Drawing and Trigonometry. **3 s.h.**

PROFESSORS BIRD AND HALL, AND MR. LEWIS

111. Higher Surveying.—For students in forestry. In addition to the ground covered in course 11, the field work includes a more thorough drill in the use of the Beaman stadia arc and the topographic abney level and trailer tape while more attention is given to the preparation of finished maps in the office work. Eight hours a day, three weeks, Summer School. Prerequisite, course 10 or 110. **3 s.h.**

PROFESSOR BIRD OR HALL

[Not offered in 1934]

112. Field Astronomy.—Determination of latitude, time, and azimuth by observation on sun and stars; use of precise transit, solar attachment, and sextant. Prerequisite, course 11. **2 s.h. (E)**

PROFESSOR HALL

113-114. Curves and Earthwork.—Highways—Thorough drill in the calculation and laying out of simple, compound, and easement curves, widening of curves, vertical curves, setting slope stakes, ordinary earthwork computations, and mass diagrams. Prerequisite, course 10. **4 s.h. (E)**

PROFESSOR HALL

15. Highway Engineering.—Location, construction, and maintenance of roads and pavements; dust prevention; road economics. **3 s.h. (E)**

PROFESSOR HALL

117. Highway Engineering.—Standard tests of stone, gravel, and bituminous materials. Prerequisites, course 115. **2 s.h. (E)**

PROFESSOR HALL

118. Materials of Engineering.—Study and testing of materials other than those taken up in course 117. **2 s.h. (E)**

MR. LEWIS

119-120. Railroad Engineering.—Differences between highway and railway practice affecting curves and earthwork. A. R. E. A. transition curve, frogs, switches, and crossings. Preliminary and location survey of a railway of sufficient length to secure familiarity with methods of actual practice. Paper location made with estimate of cost. Construction and maintenance of track and trackwork, economics, and operating conditions affecting location. Prerequisite, course 113-114. **5 s.h. (E)**

PROFESSOR BIRD

123-124. Hydraulic Engineering.—

(a) Hydrology—Factors affecting precipitation, evaporation from land and water surfaces; relation of precipitation to run-off; estimating run-off; floods and flood flows. Stream gauging.

(b) Public Water Supply—Quantity and quality of water required, hydraulics of wells, reservoirs, works for purification and distribution of water. Standard laboratory tests for the chemical and bacteriological examination of water.

(c) Sewerage—Sewerage systems, rainfall and storm water flow, sizes of storm and sanitary sewers, sewage disposal. Standard laboratory tests of sewage. Prerequisite, course 108. **8 s.h. (E)**

PROFESSOR HALL

131. Steel Structures—Stresses.—Roofs, parallel chord bridges under all types of loads, inclined top chord bridges, including sub-divided panels, wind bracing. Prerequisite, course 8. **4 s.h. (E)**

PROFESSOR BIRD

[Offered in alternate years.]

132. Steel Structures—Design.—Built beams, plate girders, tension members, compression members, tension and compression members, end posts, stringers, floor beams, pins, plates, etc. Drafting. Prerequisites, courses 107, 131. **4 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years.]

133. Reinforced Concrete.—Theory and design of reinforced concrete beams, slabs, columns. Prerequisite, course 107. **3 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years. Not offered in 1934-1935.]

134. Masonry Structures.—Ordinary foundations, dams, retaining walls, arches, piers, abutments. Prerequisites, courses 107, 133. **3 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years. Not offered in 1934-1935.]

137-138. Seminar.—Students are required to make reports and to talk on current engineering literature or on such other topics as may be assigned. **2 s.h.** (E)

PROFESSORS BIRD AND HALL

[Offered in alternate years. Not offered in 1934-1935.]

142. Engineering Geology.—An elementary course particularly arranged for civil engineering students. **3 s.h.**

MR. ———

240. Indeterminate Structures.—Introductory course dealing with the application of theory of least work, deflection, and rotation to indeterminate stresses. Problems are solved analytically, graphically, and by deformer. Prerequisite, course 131 and ability to read French or German. **3 s.h.** (E)

PROFESSOR BIRD

143-144. Projects in Civil Engineering.—This course may be assigned by the head of the department to certain seniors who have shown an aptitude for research in one distinct field of civil engineering, in which case it may be substituted for certain general civil engineering courses. **3 s.h.** Either semester.

PROFESSORS BIRD AND HALL

MECHANICAL ENGINEERING

79-80. Constructive Processes.—Recitation course covering general processes in foundry, forge, and machine shop. Trips to neighboring shops are made. Prerequisite, 4. Open only to mechanical engineering students. **2 s.h.** (E)

PROFESSOR WILBUR AND MR. MATHEWS

81. Mechanism.—Displacement, velocity, and acceleration diagrams. Particular attention is given to gearing, cams, trains of mechanisms, belts, and link work. Prerequisite, 4. **2 s.h.** (E)

PROFESSOR WILBUR

85. Steam Engineering.—Elementary principles of boilers, engines, turbines, and auxiliaries; properties of steam, fuels, and combustion. **2 s.h.** (E)

MR. MATHEWS

183-184. Machine Design.—Friction, lubrication, bearings, shafts, springs, pressure vessels, fastenings, gears, belting, friction clutches, and fly-wheels. Application of the above to proportioning parts of several complete machines. Prerequisites, 8, 81, 107 (or concurrent). **6 s.h.** (E)

PROFESSOR WILBUR

187-188. Engineering Thermodynamics.—Properties and thermodynamics processes of gases and vapors; cycles; efficiencies and performances of heat engines. Prerequisite, 85, Math. 100. **6 s.h.** (E)

PROFESSOR WILBUR AND MR. MATHEWS

189-190. Junior Mechanical Engineering Laboratory.—Open only to mechanical engineering students. Use of steam and fuel calorimeters; gas analysis; oil testing; measurement of steam and air flow; tests on steam, oil, and internal combustion engines and boilers. (Concurrent with 187-188.) **4 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

199-200. Junior Mechanical Engineering Laboratory.—Open only to civil and electrical engineering students who have elected courses 187-188. Use of steam and fuel calorimeters; gas analysis; measurement of steam and air flow; tests on steam engines and turbines, boilers and internal combustion engines. **2 s.h.** (E)

PROFESSOR WILBUR AND MR. MATHEWS

191. Power Plants.—Factors which determine the location and type of power plant including heat balance and economics, boilers, feed water treatment, prime movers, condensers, auxiliaries, and accessories. Prerequisites, Math. 100, and courses 188 and 190. **3 s.h.**

MR. MATHEWS

192. Power Plant Calculations.—Selection and combination of units, reports on piping and layout of equipment from plant inspection trips. Prerequisite, course 191. **3 s.h.**

PROFESSOR WILBUR

193-194. Senior Mechanical Engineering Laboratory.—Economy and efficiency tests of steam engines, turbines, boilers, power plant auxiliaries, fans, internal combustion engines, and heating and refrigerating systems according to the A. S. M. E. Power Test Codes. Heat balance and heat transfer tests. Prerequisite, course 191 concurrently. **4 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

195. Heating and Ventilating.—Heat losses from buildings; design of hot air, hot water, and steam heating systems; humidifying, air conditioning, and ventilation in homes, offices, and factory buildings. **3 s.h.**

PROFESSOR BIRD

196. Refrigeration.—Heat transfer and heat insulation; cooling and refrigerating systems applied to ice manufacturing and cold storage; dry ice and other refrigerants considered. Prerequisites, courses 188 and 190 or 200. **3 s.h.**

MR. MATHEWS

197. Internal Combustion Engines.—Otto and Diesel engine cycles as applied to the usual types of internal combustion engines using gaseous or liquid fuels. Analytical and graphical methods applied to fluctuations of energy, balancing of rotating parts, and regulation by governors. Prerequisites, courses 188 and 190 or 200. **3 s.h.**

PROFESSOR WILBUR

198. Aeronautics.—Airfoils, parasite resistance, propellers, the complete airplane, stability, performance, dynamic loads, and equipment. Prerequisite, course 184. **3 s.h.**

MR. MATHEWS

ELECTRICAL ENGINEERING

ASBURY BUILDING

PROFESSORS SCHEALER AND SEELEY

151-152. Principles of Electrical Engineering.—An elementary course consisting of lectures, recitations and laboratory covering direct and alternating currents and the fundamental principles of direct and alternating current machinery. This course serves as a general introductory course for electrical engineering students. One three-hour period in the laboratory per week is included in this course. Prerequisites, Physics 61-62, Mathematics 55, 100, and 231 (taken concurrently). **8 s.h.** (E)

PROFESSOR SEELEY

153-154. Principles of Electrical Engineering.—An elementary course consisting of lectures, recitations, and laboratory covering the principles of direct and alternating current machinery, and their applications, designed especially for students in civil and mechanical engineering. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisite, Physics 61-62. **6 s.h.** (E)

PROFESSOR SCHEALER

155. Principles of Electrical Engineering: Advanced Direct-Current Machinery.—A study of the principles which underlie the design and operation of all types of direct current machinery. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisites, courses 151-152, Mathematics 55, 100. **3 s.h.** (E)

PROFESSOR SCHEALER

156. Electric Railways.—A course of lectures and recitations relating to the construction, operation, and equipment of different types of electric railways. Elective. Prerequisites, courses 151-152, 155. **3 s.h. (E)**

PROFESSOR SCHEALER

158. Electric-Power Stations.—A course of lectures and recitations pertaining to the design, construction, and operation of electric power stations, both steam and hydraulic. Consideration of prime movers; generating machinery; powdered-fuel and stoker equipment; switchboards; instruments, relays and protective devices; operation and management; visits to neighboring plants. Prerequisites, courses 151-152, 187-188. **3 s.h. (E)**

PROFESSOR SCHEALER

159. Electric-Power Transmission.—A course of lecture and recitations on the factors involved in the transmission of electrical energy over long distances and the use of hyperbolic functions in the solution of transmission line problems. Concurrent with course 257. Prerequisite, course 151-152. **3 s.h. (E)**

PROFESSOR SEELEY

257. Principles of Electrical Engineering: Advanced Alternating Currents.—The algebra of vectors and complex quantities used in electrical engineering. An advanced course in alternating currents and alternating current circuits. Prerequisites, course 151-152, Mathematics 55, 100, 231. **3 s.h. (E)**

PROFESSOR SCHEALER

258. Principles of Electrical Engineering: Advanced Alternating Current Machinery.—An advanced course consisting of lectures, recitations, and laboratory tests covering the principles underlying the construction and operation of alternating current machinery. A study of synchronous generators and motors, transformers, parallel operation of alternators, synchronous converters, polyphase induction motors, and single-phase induction, series, and repulsion motors. Prerequisite, course 257. **6 s.h. (E)**

PROFESSOR SCHEALER

261-262. High-Frequency Alternating Currents.—An advanced course on the principles of wire and wireless communication. A thorough study is made of the theory of coupled circuits, antenna, radiation, wave propagation over metallic circuits, nature of speech and sound, vacuum tubes, vacuum-tube circuits, wire and wireless-telephone circuits. Prerequisite, Mathematics 231. **6 s.h. (E)**

PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering, with an introduction to the use of operational calculus as applied to electrical circuits. Elective. Prerequisites, courses 151-152, Mathematics 231. **6 s.h. (E)**

PROFESSOR SEELEY

ENGLISH

PROFESSORS BROWN, BAUM, GILBERT, GREENE, HUBBELL, WHITE; ASSOCIATE PROFESSORS GOHDES AND MITCHELL; ASSISTANT PROFESSORS BLACKBURN, JORDAN, PATTON, AND VANCE; MRS. WHITE; MESSRS. ANDERSON, GREGORY, HERRING, HOFFMAN, SUGDEN, WARD, AND WEST; AND ASSISTANTS

1-2. English Composition.—All freshmen are required to take Course 1 and Course 2; however, those who earn a grade of "B" or more on the work of the first semester may in the spring substitute Course 4 for Course 2.

Students in Courses 1 and 2 who fail to earn an average grade of "C" on the work of both semesters and at least a grade of "C" on the work of the spring term are required to do the work of English 53 during their sophomore year. Those who do not earn a grade of "D" during the first semester are required to repeat during the spring Course 1; if they earn a grade of "D" or more at the end of the spring semester, they receive credit for the first half-year of work, and during their sophomore year they are required to do the work of English 2. Students whose grades for both semesters fall below "D" must repeat the entire course during their second year. **6 s.h.**

ASSOCIATE PROFESSOR MITCHELL; ASSISTANT PROFESSORS PATTON AND VANCE; MESSRS. GREGORY, WARD, SUGDEN, ANDERSON, AND HOFFMAN; MRS. WHITE

4. English Poetry and Writing.—The writing in this course consists of weekly themes assigned in connection with the poems studied.

No one is admitted to this course except those students who receive at least a grade of "B" on the work of Course 1.

Those who fail to earn a grade of "C" on the written work of this course must do the work of English 53 during their sophomore year. Second semester. **3 s.h.**

ASSOCIATE PROFESSOR MITCHELL; ASSISTANT PROFESSORS PATTON AND VANCE; MESSRS. GREGORY, WARD, SUGDEN, ANDERSON, AND HOFFMAN; MRS. WHITE

53. English Composition.—A second course in composition. **3 s.h.** *Repeated in the second semester.* (W & E)

ASSISTANT PROFESSOR JORDAN

54. Composition.—This is a practical course in composition for those who desire a greater mastery of, and facility in, the use of the language than they get from English 1-2 and 53. **3 s.h.** *Second semester.*

ASSISTANT PROFESSOR JORDAN

***55-56. Prose Masterpieces.**—**6 s.h.** (W & E)

ASSISTANT PROFESSORS VANCE AND BLACKBURN

***57-58. Prose Literature.**—For candidates for honors. **6 s.h.** (W)

ASSISTANT PROFESSOR PATTON

***59-60. Contemporary Literature.**—During the first semester the subject-matter is drama; during the second, fiction. Open to women and men. 6 s.h. (E)

MRS. WHITE

***59-60. Contemporary Literature.**—During the first semester the subject-matter is poetry; during the second, drama. Open to men and women. 6 s.h. (w)

PROFESSOR HUBBELL

***63-64. A Survey of English Poetry.**—6 s.h. (w)

ASSISTANT PROFESSOR PATTON

***63-64. A Survey of English Poetry.**—6 s.h. (w)

ASSOCIATE PROFESSOR GOHDES

101-102. Composition.—This is an advanced course in writing for those who have done good work in the required courses in composition. Students who wish to take this course must have made a grade of 75 or more in English 1-2, or they must have credit for English 1-2 and English 53. The number of students in this course is limited, and all must have the consent of the instructor. 6 s.h. (w)

ASSOCIATE PROFESSOR MITCHELL

Open to men and women.

103-104. Composition.—This course is concerned largely with the work of writing the special feature article, the editorial, and the short-story.

Only students who are able to write with facility and correctness are expected to enroll for this course; they must have the consent of the instructor. 6 s.h. (E)

ASSISTANT PROFESSOR BLACKBURN

Open to men and women.

105-106. Play-Writing.—The work of this course is concerned chiefly with the technique of the one-act play though study is made also of the longer forms. Worthy plays written by students are presented by the members of the play-production course.

Open to juniors, seniors, and sophomores approved by the Dean of Undergraduate Instruction. 6 s.h. (w)

MR. WEST

119-120. History of the Theatre.—This course makes a study of the development of the theatre, methods of production, and representative plays of the various periods from the early Greeks to the present day.

Open to juniors, seniors, and sophomores approved by the Dean of Undergraduate Instruction. 6 s.h. (w)

MR. WEST

* Courses 55-56, 57-58, 59-60, 63-64 are open only to sophomores and juniors. A student may not receive credit for both 55-56 and 57-58.

121-122. Play-Production.—This course deals with the theory and practice of producing plays. The work includes make-up, lighting, scene-design and painting, costume, directing, and stage-management. Plays are studied with a view to producing them. There is practice-work both in the laboratory and in the theatre. Lectures and laboratory work.

Open to juniors, seniors, and sophomores approved by the Dean of Undergraduate Instruction. **6 s.h.** (w)

MR. WEST

123-124. Shakespeare.—**6 s.h.** (w)

PROFESSOR BROWN

125-126. English Literature, 1798-1832.—This course consists of a study of representative English writers of prose and poetry from Wordsworth to Tennyson. **6 s.h.** (w)

PROFESSOR WHITE

125-126. English Literature, 1798-1832.—This course consists of a study of representative English writers of prose and poetry from Wordsworth to Tennyson. **6 s.h.** (E)

MRS. WHITE

127-128. English Literature, 1832-1900.—The subject-matter of this course for 1934-1935 is the prose-writers of the period; the material for the following year will be the poets of the period. A student may receive credit for each course. **6 s.h.** (w)

PROFESSOR GREENE

129-130. The History of the Novel in England.—**6 s.h.** (E)

ASSISTANT PROFESSOR VANCE

(Open to women and men.)

131. The Drama, 1770-1892.—**3 s.h.** (w)

PROFESSOR HUBBELL

[Not offered in 1934-1935]

133. Contemporary Poetry and Verse-Writing.—Beginning with a study of the elements and technique of poetry, this course proceeds to a general survey of twentieth-century poetry, giving special attention to the various modern forms and tendencies.

No student may enroll in this course without the consent of the instructor; only a small number can be admitted. **3 s.h.**

PROFESSOR WHITE

[Not offered in 1934-1935]

134. Contemporary Poetry and Verse-Writing.—The work of this course consists chiefly of the writing of verse by members of the class and of criticism of the manuscripts by the class. Prerequisite, English 133.

No student may enroll in this course without the consent of the instructor; only a small number can be admitted. **3 s.h.**

PROFESSOR WHITE

[Not offered in 1934-1935]

135-136. Critical Study of Literary Masterpieces.—The first semester is devoted mainly to the essay and related forms; the second, to other types, including narrative and lyric poetry, the novel, and the short-story. **6 s.h.**

PROFESSOR BAUM

[Not offered in 1934-1935]

137-138. American Literature.—This course consists of wide reading in American prose and poetry. **6 s.h. (w)**

PROFESSOR HUBBELL

137-138. American Literature.—This course consists of wide reading in American prose and poetry. **6 s.h. (E)**

ASSOCIATE PROFESSOR GOHDES

139-140. The Speaking Voice.—This course gives training in placement, pitch, range, and diction for use in professional work and in daily conversation.

Open to all undergraduates with the approval of the Dean of Undergraduate Instruction. **6 s.h. (w)**

MR. WEST

142. Materials and Methods in High-School English.—*Second semester.* **3 s.h. (w)**

ASSISTANT PROFESSOR JORDAN

Open only to seniors.

143-144. English Literature, 1550-1660.—This course considers the most important non-dramatic literature from 1550 to 1660. **6 s.h.**

PROFESSOR GREENE

201-202. Anglo-Saxon.—This course requires no previous study of Anglo-Saxon. The first semester is given to a study of Anglo-Saxon grammar and to the reading of Anglo-Saxon prose; the second semester, to the reading and interpretation of "Beowulf." **6 s.h. (w)**

PROFESSOR BROWN

203-204. Chaucer.—**6 s.h.—(w)**

PROFESSOR BAUM

205-206. Middle English.—This course consists of an introduction to the study of early Middle English literature and of a study of the history of the English language.

Students may elect English 205-206 without having studied either Anglo-Saxon or Middle English. **6 s.h. (w)**

PROFESSOR BAUM

207-208. English Literature, 1400-1550.—**6 s.h. (w)**

PROFESSOR BAUM

[Not offered in 1934-1935]

209-210. English Romances.—This course consists of a rapid reading of the chief romances of the Middle English period. **6 s.h.**

PROFESSOR BROWN

[Not offered in 1934-1935]

213-214. The Ballad and Other Folk-Lore.—This course consists of an extensive study of the ballad and other ancient and modern folk-songs and of other kinds of folk-lore as found in North Carolina and other sections of America. Much of the material used in the course is in manuscript form, and still other material studied is that collected by the class during the year; thus the student gets training in collecting and classifying songs and other forms of folk-lore. Each student is assisted in developing some subject pertaining if possible to conditions in his native section. **6 s.h. (w)**

PROFESSOR BROWN

215-216. The Drama of the Elizabethan Period.—A study of the drama in England from its beginnings to 1640. **6 s.h. (w)**

PROFESSOR GILBERT

217-218. Spenser and Milton.—An exhaustive study of the works of Spenser and Milton. **6 s.h. (w)**

PROFESSOR GILBERT

219. English Literature, 1660-1744.—**3 s.h. (w)**

PROFESSOR WHITE

220. English Literature, 1744-1798.—**3 s.h. (w)**

PROFESSOR WHITE

221. The Drama in England, 1640-1770.—**3 s.h.**

PROFESSOR BAUM

[Not offered in 1934-1935]

225-226. Studies in Victorian Literature.—This course considers in an intensive way the works of some of the most important writers of the period. **6 s.h. (w)**

PROFESSOR BAUM

227. Literary Criticism.—A history of literary criticism to 1700. **3 s.h. (w)**

PROFESSOR GILBERT

228. Literary Criticism.—A history of literary criticism from 1700 to the present. **3 s.h. (w)**

PROFESSOR GILBERT

229-230. American Literature, 1800-1870.—Seniors must have credit for English 137-138. **6 s.h. (w)**

PROFESSOR HUBBELL

231-232. Special Studies in American Authors.—The authors studied in 1934-1935 are Emerson and Whitman. **6 s.h.**

PROFESSOR GOHDES

ARGUMENTATION AND PUBLIC SPEAKING

FOR SOPHOMORES, JUNIORS, AND SENIORS

151. Public Speaking.—A course in the fundamentals of public speaking with emphasis upon the effective presentation of ideas. **3 s.h. (w)**

MR. HERRING

152. Argumentation.—A course dealing with the principles of argumentation and debating with special emphasis upon brief-making and practice-speaking. Public questions are studied as parallel work. **3 s.h. (w)**

MR. HERRING

FINE ARTS

MISS HALL

Some practical work is required for each of these courses to train the eye and to develop ability for aesthetic analysis and criticism. This calls for no special aptitude, but rather a careful study of illustrative material and a serious effort to record observation. These courses, although given on the East Campus, are open to men as well as women.

Course 1-2 or 51-52 is a prerequisite for all other courses. These courses provide both a general survey for those whose schedule will not admit of further election in the department, and an introduction to art for those who may continue their study of the subject.

1-2. History of Art.—An outline of the development of styles in art, emphasizing Greek sculpture, French Medieval architecture, and Italian Renaissance painting. This course aims to develop observation and aesthetic appreciation, as well as to relate the important monuments to their contemporary civilizations. For freshmen. **6 s.h. (E)**

MISS HALL

51-52. History of Art.—A survey of the development of architecture, sculpture, and painting from the Prehistoric period to the present. Not open to freshmen or to students who have had course 1-2. **6 s.h. (E)**

MISS HALL

101. Introduction to Medieval Art.—A study of the development of structure and decoration from the Pre-Romanesque sources through the twelfth century, with emphasis on the tendencies in Romanesque architecture and sculpture which underlie the logical development of Gothic art. Ability to read French will be of advantage to those who elect this course. **3 s.h. (E)**

MISS HALL

{Not offered in 1934-1935}

102. Development of Gothic Art.—An outline of the structural and decorative problems solved by the builders of the Middle Ages. This course emphasizes the architecture, sculpture, and stained glass of the great cathedrals, and touches upon the mural painting, panel painting, and manuscript illumination of the period. Ability to read French will be of advantage to those who elect this course. **3 s.h.** (E)

MISS HALL

[Not offered in 1934-1935]

103. Architecture of the Renaissance.—A study of the transition from Gothic to Renaissance architecture, with the subsequent developments and interrelations of the Renaissance styles in Italy, France, and England. **3 s.h.** (E)

MISS HALL

104. Sculpture and Painting of the Renaissance.—A study of the rise of sculpture and painting in Renaissance Italy, with a survey of seventeenth century developments in Italy, France, Spain, and the North, and a brief analysis of later movements. **3 s.h.** (E)

MISS HALL

106. Modern Architecture.—A study of the changes in style, plan, and material arising about 1750 as the result of awakening historical interest, political conditions, and scientific invention. The course aims to illustrate, by means of buildings in Europe and America, the parallel development of classicism and romanticism, the succeeding phases of eclecticism, and the rise of functionalism. **3 s.h.** (E)

MISS HALL

COURSES OFFERED IN OTHER DEPARTMENTS RELATING TO THIS FIELD

GREEK

141-142. Greek Art.

243. Athenian Topography.

244. Greek Epigraphy.

247-248. Greek Archaeology.

LATIN

215. Introduction to Roman Art and Archaeology.

216. Topography and Monuments of Ancient Rome.

MUSIC

61-62. Elementary Harmony.

63. History of Music to Beethoven.

64. History of Music from Beethoven to the Present.

PHILOSOPHY

201-202. The Philosophy of Art.

213-214. History of Aesthetics.

[Not offered in 1934-1935]

PSYCHOLOGY

202. Psychology of Aesthetics.

FORESTRY

PROFESSOR KORSTIAN AND ASSISTANT PROFESSOR MAUGHAN

Several of the professional forestry courses will eventually be open to undergraduate students. At present only the following courses are available.

Students who are preparing for graduate work in forestry are advised to take the courses outlined in the pre-forestry curriculum (see pp. 60-61).

1. Principles of Forestry.—A brief survey of the field of forestry, its economic and social importance; the influence of forests on climate, streamflow, water supply, soil, erosion, and public health; life history of the individual tree and the development of the forest; reproduction, treatment, protection, measurement, management, and utilization of the forest; the principal forest regions and timber trees of the United States and a brief history of the forestry movement in America. The work consists of lectures, assigned readings, reports, and field trips. Open to sophomores, juniors, and seniors. **3 s.h.** (w)

ASSISTANT PROFESSOR MAUGHAN

154. Forest Tree Characteristics and Identification.—The characteristics, systematic classification, and identification of the more important forest trees of North America. Laboratory and field work with trees in winter and summer condition; development and growth of the individual tree, common occurrence of different species and their rôle in forest types. Prerequisite, one year of botany. **4 s.h.** (w)

PROFESSOR KORSTIAN

254. Dendrology.—The characteristics, identification, and taxonomy of trees with special reference to species native to North Carolina and other important forest regions of the United States. Studies of special groups included. Prerequisite, two years of botany. **4 s.h.** (w)

PROFESSOR KORSTIAN

GERMAN LANGUAGE AND LITERATURE

PROFESSORS VOLLMER, KRUMMEL AND WANNAMAKER; ASSISTANT
PROFESSOR WILSON; MESSRS. SHEARS AND MAXWELL

The courses in the 100-group (except 101-102, 103-104 and 119-120) are third-year college courses in German and are open to students who have passed two years of college German here or elsewhere.

The courses in the 200-group are fourth-year college courses in German and are open to students who have passed three years of college German here or elsewhere. These courses are also open to graduate students.

Although courses in the 100 and 200 groups are regarded as full year courses, students will receive 3 semester-hours credit if they take only one semester's work.

Transfer students who have studied German elsewhere or freshmen who have studied German in secondary schools, are requested to consult with the German Department before registering for any course.

COURSES OFFERED IN 1934-1935

1-2. Elementary German.—6 s.h.

ASSISTANT PROFESSOR WILSON, DR. SHEARS, DR. MAXWELL

3-4. Intermediate German.—6 s.h.

PROFESSOR KRUMMEL, ASSISTANT PROFESSOR WILSON,
DR. SHEARS, DR. MAXWELL

101-102. Elementary German.—For juniors and seniors only. 6 s.h.**103-104. Intermediate German.—For juniors and seniors only. 6 s.h.****107. Scientific German.—3 s.h.**

PROFESSOR WANNAMAKER

108. Advanced Scientific and Medical German.—3 s.h.

PROFESSOR WANNAMAKER

109-110. German Prose Fiction.—6 s.h.

PROFESSOR KRUMMEL

111-112. Introduction to the Classic Drama.—6 s.h.

ASSISTANT PROFESSOR WILSON

[Not offered in 1934-1935]

**113-114. Masterpieces of German Prose.—German lyrics and ballads.
6 s.h.**

ASSISTANT PROFESSOR WILSON

115-116. German Drama of the 19th Century.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1934-1935]

117-118. Conversational German.—6 s.h.

DR. MAXWELL

119-120. Great Epochs in German Literature.—(Translations are used—
knowledge of German not required.) 6 s.h.

PROFESSOR VOLLMER

121-122. Schiller's Dramas and Prose.—6 s.h.

PROFESSOR VOLLMER

123-124. Modern German Short Story.—6 s.h.

DR. SHEARS

125-126. Contemporary German Literature.—6 s.h.

DR. SHEARS

[Not offered in 1934-1935]

201-202. Goethe.—6 s.h.

PROFESSOR KRUMMEL

203-204. Leibnitz to Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

205-206. Middle High German.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

207-208. German Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

209-210. Nineteenth Century Drama.—6 s.h.

PROFESSOR KRUMMEL

211-212. Heinrich Heine.—6 s.h.

PROFESSOR VOLLMER

213-214. Nineteenth Century Political Literature.—6 s.h.

PROFESSOR VOLLMER

GREEK

PROFESSOR PEPLER, ASSISTANT PROFESSOR WAY,
AND MR. TRUESDALE

Courses 121-122, 141-142, and 131 are entirely in English and require no knowledge of the Greek language. The purpose in offering them is to give a wider circle of students some conception of the debt which modern civilization owes to the Greeks.

1-2. Course for Beginners.—6 s.h. (w)

MR. TRUESDALE

*Open to all students.***53-54. Xenophon.—Anabasis, Books I-IV. 6 s.h. (w)**

MR. TRUESDALE

*Open to students who offer one unit of Greek for admission and to those who have completed course 1-2.***105-106. Homer.—Iliad, Books I-VI. 6 s.h. (w)**

PROFESSOR PEPPLER

*Open to students who offer two units of Greek for admission and to those who have completed courses 1-2 and 53-54 or their equivalent.***107-108. Plato.—Apology, Crito, and selections, together with collateral reading in the Memorabilia of Xenophon and in the Clouds of Aristophanes. Euripides.—One play, to serve as an introduction to Greek tragedy. 6 s.h. (w)**

ASSISTANT PROFESSOR WAY

*Open to students who offer three units for admission and to others who have completed the required preliminary work.***115-116. Sight Reading in Greek.—Three hours per week through the year. 4 s.h. (w)**

ASSISTANT PROFESSOR WAY

117-118. Greek Prose Composition.—The character of this course is determined by the needs of the students who elect it. 2 s.h. (w)

PROFESSOR PEPPLER

121-122. Greek Literature in English Translations.—The purpose of this course is to give a general survey of the life and civilization of the Greeks, especially to those who have never studied the language but wish to become acquainted with some of the choicest portions of the literature by the use of translations. It is, however, open as an elective to all juniors and seniors, whether they know Greek or not. First, the *Iliad* and the *Odyssey* are read in translation and illustrated with stereopticon views of the excavations and discoveries at Troy and other cities of the Mycenaean age; then, many of the extant plays of the three great tragic poets are studied in English translations. 6 s.h. (w)

PROFESSOR PEPPLER

*The student may elect course 122, whether or not he has taken course 121.***141-142. Greek Art.—Lantern lectures, introduced or supplemented by formal lectures, dealing mainly with Greek sculpture and Greek architecture. Some account is given of Egyptian and Mesopotamian art by way of introduction. No knowledge of Greek is required. 6 s.h. (w)**

ASSISTANT PROFESSOR WAY

Greek 131—Latin 132. Ancient History.—First semester: History of Greece with brief introduction dealing with Oriental nations. Second semester: History of Rome. 6 s.h. (w)

PROFESSOR ANDERSON

201-202. Greek Drama.—Selected plays are read, and their dramatic construction and distinctive features are discussed. 6 s.h. (w)

PROFESSOR PEPPLER

203-204. Homer.—*Odyssey*. Pindar and Bacchylides. 6 s.h. (w)

PROFESSOR PEPPLER

205-206. Greek Historians.—Herodotus, Books VII and VIII; Thucydides, Books VI and VII. 6 s.h. (w)

PROFESSOR PEPPLER

207-208. Greek Orators.—Selected speeches. 6 s.h. (w)

PROFESSOR PEPPLER

209-210. Plato.—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h. (w)

ASSISTANT PROFESSOR WAY

211-212. Aristophanes.—Selected comedies. 6 s.h. (w)

PROFESSOR PEPPLER

Only one of the six year-courses for seniors and graduates (201-212), listed above, is offered each year.

243. Athenian Topography.—The topography and monuments of ancient Athens. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

244. Greek Epigraphy.—Lectures on the history of the alphabet, and the development of the local Greek alphabets, followed by extensive reading of inscriptional texts in facsimile. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

245. Greek Dialects.—A linguistic study of transliterated inscriptions illustrative of the major Greek dialects. The interrelations of the dialectal forms are examined, with reference, where possible, to their origin in pro-ethnic Greek. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

246. Greek Historical Inscriptions.—The more valuable historical inscriptions are read in chronological order and interpreted in their general bearing upon the course of Greek history. Course 131 is prerequisite. 3 s.h. (w)

ASSISTANT PROFESSOR WAY

247-248. Greek Archaeology.—Advanced course in the general field for seniors and graduates, comprising architecture, sculpture, vases and the minor arts. **6 s.h. (w)**

ASSISTANT PROFESSOR WAY

Of the courses numbered from 243 to 248 only two semester-courses are offered each year.

Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1400. They are awarded mainly on the basis of examinations held in the beginning of March of each year.

HEALTH AND PHYSICAL EDUCATION

TRINITY COLLEGE

DIRECTOR OF PHYSICAL EDUCATION WADE; ASSISTANT DIRECTOR VOYLES; AND ASSISTANTS CALDWELL, CAMERON, CHAMBERS, COOMBS, CRICHTON, GERARD, HAGLER, PERSONS, WAITE, WARREN, AND GYMNASIUM DIRECTOR CARD

REQUIRED PHYSICAL EDUCATION FOR MEN

A thorough medical and physical examination is made of each student on entering the University. Those who reveal pronounced physical deficiencies are excused from the regular courses in physical education and are required to take Corrective Gymnastics. Students assigned to this work continue to take it until they have been pronounced reasonably sound. Thereupon they withdraw from this course and register in the regular physical education course. A student may take from one to eight semesters of this special work. The other students must elect a different activity each semester. In general, these activities fall in one of three groups: those developing physical efficiency; those affording competitive contests; and those occupying recreative or leisure time. Since a student is not allowed to take the same course twice, he covers four courses in the two years of required work.

Eleven courses are open to students of the freshman class: Basketball, Boxing, Corrective Gymnastics, Cross Country, Football, Soccer Football, Beginning Swimming, Beginning Tennis, Tumbling, Beginning Track and Wrestling.

Eleven courses are open to sophomores: Apparatus Stunts, Baseball, Boxing, Corrective Gymnastics, Cross Country, Football, Golf, Advanced Swimming, Track, Touch Football, and Advanced Tennis.

Courses numbered 1 to 49 are for freshmen. All freshmen who do not pass the physical examination must enroll in courses 5-6. Those who pass the physical examination enroll in any of the other ten courses.

Courses numbered 50 to 99 are for sophomores. All sophomores who do not pass the physical examination must enroll in courses 57-58. Those who pass the physical examination enroll in any of the other ten courses.

The regulation indoor suit consists of a sleeveless shirt (white for freshmen, blue for sophomores) with "Duke" across the front, white running pants, supporter, sweat socks and rubber-soled shoes. For the out-door work a sweat suit should be added to the above list and shoes suitable for the sport.

FOR FRESHMEN

1-2. Basketball.—1½ s.h.	MR. WAITE
3-4. Boxing.—1½ s.h.	MR. WARREN
5-6. Corrective Gymnastics.—1½ s.h.	MR. CHAMBERS
11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Beginning Swimming.—1½ s.h.	MR. PERSONS
17-18. Beginning Tennis.—1½ s.h.	MR. GERARD
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Track.—1½ s.h.	MR. WAITE
25-26. Wrestling.—1½ s.h.	MR. WARREN
41. Cross Country.—1½ s.h.	MR. CHAMBERS
37. Football.—1½ s.h.	MR. CALDWELL

FOR SOPHOMORES

51-52. Apparatus Stunts.—1½ s.h.	MR. CARD
53-54. Boxing.—1½ s.h.	MR. WARREN
55-56. Corrective Gymnastics.—1½ s.h.	MR. CHAMBERS
59-60. Baseball.—1½ s.h.	MR. COOMBS
61-62. Golf.—1½ s.h.	MR. CRICHTON
63-64. Advanced Swimming.—1½ s.h.	MR. PERSONS
65-66. Touch Football.—1½ s.h.	MR. HAGLER
67-68. Advanced Tennis.—1½ s.h.	MR. GERARD
69-70. Track and Field Events.—1½ s.h.	MR. VOYLES

91. Cross Country.—1½ s.h.

MR. CHAMBERS

87. Football.—1½ s.h.

MR. HAGLER

ELECTIVE COURSES IN PHYSICAL EDUCATION

Students in Group VI A may elect twelve semester-hours from the courses offered below.

These courses are arranged to help meet the increasing demand for teachers who are qualified to teach physical education and to coach.

171. Recreational Activities.—Combative contests, games, mass athletics; supervision of community recreation. 3 s.h.

MR. GERARD

173. Health Education and Corrective Gymnastics.—Detection of abnormalities and treatment by physical methods. Prerequisite, Zoölogy 1-2. 4 s.h.

MR. CHAMBERS

182. Organization and Administration of Physical Education and Athletics.—2 s.h.

MR. WADE, MR. VOYLES

187. School Programs of Physical Education.—3 s.h.

MR. GERARD

190. Training and First Aid.—2 s.h.

MR. CHAMBERS

192. History, Systems, and Theories of Physical Education.—3 s.h.

MR. VOYLES

WOMAN'S COLLEGE

MISS GROUT, DIRECTOR

MRS. CHATNEUFF, MISS CIRCLE, MISS LEWIS, MISS WYCHE*

Six hours credit in physical education, with an average grade of "C" must be completed for graduation. For women students two hours a week through the junior year are needed to fulfill this requirement.

All students are given a physical and medical examination upon entering and at intervals throughout their college course. Classes in individual gymnastics and moderate sports are arranged for those who should not take the more active work.

The regulation costume (approximate cost \$6.00) should be purchased from the college store at the beginning of the year.

ACTIVITIES OFFERED

Fall term (October to December): Hockey, soccer, swimming, tennis, riding, moderate sports, volleyball.

* On leave, 1933-1934.

Winter term (December to March): Danish gymnastics and apparatus, individual gymnastics, posture training, tumbling and stunts, clog and character dancing, folk dancing, natural dancing, swimming, diving, life-saving, basketball.

Spring term (March to June): Tennis, swimming, riding, baseball, track and field events, archery, golf fundamentals.

ELECTIVES IN PHYSICAL EDUCATION

In view of the fact that there is an increasing demand for teachers of general subjects who are qualified to assist in physical education in the public schools, the following courses are offered as electives for prospective teachers and as introductory courses for students planning to continue the study of physical education as a profession. Students other than those in Group VI do not receive academic credit for these courses.

81. History and Principles of Physical Education.—Prerequisite, Educational Psychology. An historical survey of physical education stressing the relation between the types of activity developed and the social and political ideals of different nations and periods. An interpretation of aims and objectives; a study of the relative values of the activities in a program of physical education. **3 s.h.**

MISS GROUT

102. The Teaching of Physical Education in Elementary Schools.—Required of women students in Group VI B. A course intended to familiarize prospective elementary school teachers with methods and materials used in teaching physical education to children; includes discussions on the theory of physical education, and practice in teaching elementary school activities. Courses 102 and 185 are mutually exclusive. Open to sophomores, juniors, and seniors. **3 s.h.**

MISS GROUT

181-82. Methods of Teaching Athletic Activities.—A course in the theory and practice of teaching and officiating in team games and athletic sports for girls and women. Open to juniors and seniors. **6 s.h.**

THE STAFF

185. The Teaching of Physical Education in Secondary Schools.—This course is intended to give prospective high school teachers an acquaintance with problems connected with physical education in secondary schools in order that they may be better fitted to help with high school athletics in communities where no physical education teacher is provided. Discussions and practice teaching. Courses 185 and 102 are mutually exclusive. Open to sophomores, juniors, and seniors. **3 s.h.**

MISS GROUT

HYGIENE

SI12. Personal and School Hygiene.—General, personal, and school hygiene with some instruction in anatomy and physiology; cause, transmission, and prevention of communicable diseases; the more common defects of school children; school-house sanitation; medical inspection; etc. **3 s.h.** MISS GARDINER

HISTORY

PROFESSORS BOYD,* LAPRADE, RIPPY, AND SHRYOCK; ASSOCIATE PROFESSORS BALDWIN AND CARROLL; ASSISTANT PROFESSORS MACKAY AND NELSON; MESSRS. LANNING, MCCLOY, MANCHESTER, MABRY AND WOODY

The undergraduate courses in history are designed to afford (1) an introduction to the study of history by a survey of the history of modern Europe; (2) a more intensive study of general American history; (3) opportunities for more advanced study of phases of American, English, European, and Hispanic-American history which interest the teachers and students.

Course 1-2 or 51-52 is a prerequisite for all other courses; courses 91 and 92 are prerequisite for courses 114, 119-120, 121-122, 215-216. Sophomores who took only one semester of course 1-2 in the freshman year may be admitted to courses 91 and 92 or 65-66, provided they made a grade of B or above on the semester taken. Courses offered for seniors and graduates are limited to twenty-five students; juniors may not elect them without special permission from the department and the Council on Graduate Instruction. Sophomores must obtain permission of the instructor in order to be admitted to courses numbered above 100; students who are not fully qualified sophomores will not be admitted to these courses.

1-2. Modern and Contemporaneous Europe.—In this course the development of modern Europe since the middle of the sixteenth century is traced with special reference to the rise of nationality, the Industrial Revolution, scientific thought, domestic politics in the leading states, colonial expansion, diplomacy, and the World War. **6 s.h. (W & E)**

Sophomores and juniors may not be admitted to this course.

ASSISTANT PROFESSORS NELSON AND MACKAY, DRs. LANNING, MCCLOY, MANCHESTER, WOODY, AND MABRY

51-52. Modern and Contemporaneous Europe.—The history of Europe since the beginning of the sixteenth century with special reference to the rise of nationality, the industrial revolution, colonial expansion, and international relations. **6 s.h. (W & E)**

ASSOCIATE PROFESSOR BALDWIN, DRs. LANNING, MANCHESTER, AND WOODY

Not open to freshmen or to students who have had course 1-2.

65-66. The Social and Cultural History of Western Europe in the Seventeenth and Eighteenth Centuries.—**6 s.h. (W)**

DR. MCCLOY

* On leave of absence, second semester, 1933-34.

91. Political and Social History of the United States to 1830.—A general survey of the development of the United States in which effort is made to place the proper emphasis on underlying economic or other causes of political and social progress. Old number 9. 3 s.h. (w & e)

PROFESSOR SHRYOCK, DRs. LANNING, MANCHESTER,
WOODY, AND MABRY

92. Political and Social History of the United States, 1830 to 1900.—This course completes the work begun in 91. Old number 91. 3 s.h. (w & e)

PROFESSOR SHRYOCK, DRs. LANNING, MANCHESTER,
WOODY, AND MABRY

Note: In courses 91 and 92 no texts are required, but each student pays a class fee of \$3.00 per semester with which all books to be read are purchased and placed in the libraries. This fee is collected through the Treasurer's office.

101-102. Early European Civilization.—A study of the development in Western Europe of the institutions and culture of ancient times and the middle ages. 6 s.h. (e)

Sophomores who made an average grade of B or more on course 1-2 may be admitted to this course.

ASSISTANT PROFESSOR MACKAY

114. History of the United States since Reconstruction.—Reconstruction and its aftermath, cultural, political, and economic development since 1876, agrarian and labor problems, the rise of large industry, the Spanish War and imperialism, the World War, and post-bellum problems. Old number 113. 3 s.h. Prerequisites, courses 91 and 92. (w)

DR. LANNING

Ancient History.—Greek 113—Latin 132.—See Department of Latin and Roman Studies. (w)

119-120. Social and Economic History of the American People.—Particular attention is given to the relations between economic forces and such phases of social life as the family, morals and customs, immigration, crime and punishment, amusements, public opinion, and public health. Old number 119. 6 s.h. Prerequisites, courses 91 and 92. (w)

PROFESSOR SHRYOCK

121-122. The Church in American History.—Among the subjects considered are the relation of theology and church government to political theory and practice, the social and political results of the Great Awakening and of ecclesiastical controversies, the part played by the Church in the American Revolution and in the making of state constitutions, in education, westward expansion, in the reform movements of the nineteenth century, labor controversies, the Civil and World Wars, and internationalism. Old number 120. 6 s.h. Prerequisites, courses 91 and 92. (e)

ASSOCIATE PROFESSOR BALDWIN

123-124. English History.—A study of transitions in the political institutions and social development from the Norman Conquest to the present. Old number 124. **6 s.h.** (w)

PROFESSOR LAPRADE

125. The Ancient Régime, the French Revolution, and Napoleon.—**3 s.h.** (w)

ASSOCIATE PROFESSOR CARROLL

126. The Congress of Vienna and the Rise of the European Nations to 1870.
3 s.h. (w)

ASSOCIATE PROFESSOR CARROLL

127. History of Latin America: The Colonial Period.—A survey of the Spanish and Portuguese background, the conquest of the semi-civilized Indians of America, the founding and government of the Spanish and Portuguese Colonies in the New World, and their struggle for independence. The economic phase of Colonial enterprise will be emphasized.

3 s.h. (w)

PROFESSOR RIPPY

128. History of Latin America: The National Period.—A survey of the political, social, and especially the economic development of the Latin American nations, with some attention to their foreign relations. **3 s.h.**

(w)

PROFESSOR RIPPY

FOR SENIORS AND GRADUATES

203. The Union, Confederacy, and Reconstruction.—The subjects considered are the rise of secession, the constitutional and economic problems of the Union and Confederacy, and the political and economic adjustments during reconstruction. **3 s.h.** (w)

PROFESSOR BOYD

[Not offered in 1934-1935]

205-206. English Constitutional History.—After a brief review of the Anglo-Saxon period a detailed study is made of those medieval institutions which form the basis of the British constitution. This is followed in the second semester by a general survey of the changes wrought in English political history during the seventeenth and eighteenth centuries, the main lines of constitutional development since 1800, and an outline of the British government as it exists today. Old number 204. **6 s.h.** (w)

PROFESSOR LAPRADE

[Not offered in 1934-1935]

208. Studies in the Social History of the United States.—**3 s.h.** (w)

PROFESSOR SHRYOCK

209-210. Constitutional History of the United States, 1763 to 1860.—Among the subjects considered are the issues and nature of the Revolution, the problems of the confederation, the nature of the constitution in the light of its early interpretations, the rise of political parties, sectionalism and its attendant political and economic interests, and the slavery controversy. Old number 210. **6 s.h.** (w)

PROFESSOR BOYD

[Not offered in 1934-1935]

211. The Teaching of History and Civics (Education 225).—This course consists of informal discussions, based upon collateral reading and observation work of such topics as aims, tests for values, the social-studies curriculum, class-room procedure, and course and lesson planning. The class is limited in numbers to fifteen, admission being made only after consultation with the instructor, preferably during the preceding spring. Only such seniors are admitted as are thinking seriously of teaching history in the high schools, who have taken at least eighteen hours of history in college, and who expect to qualify for a North Carolina Grade A teaching certificate. These qualifications, however, do not necessarily apply to graduate students, who may be admitted upon consultation with the instructor at the beginning of the fall term. Old number 212. **3 s.h.** (w)

DR. MANCHESTER

215-216. History of the United States' Foreign Policy.—This course traces the history of American Diplomacy since 1789. Prerequisites, courses 91 and 92. **6 s.h.** (w)

PROFESSOR RIPPY

217-218. Europe since 1870.—International relations since the Franco-German War is the chief subject of study in this course; special emphasis is placed upon the underlying economic and political influences. Old number 217. **6 s.h.** (w)

ASSOCIATE PROFESSOR CARROLL

219-220. The History of the European Proletariate.—This course is concerned chiefly with the origins, expansions, and organization of the industrial working classes of Europe. The following problems are emphasized: the decline of serfdom, the growth of an urban working class and social revolutions in England, France, and Germany prior to the eighteenth century, the results of the Industrial Revolution, and labor movements and theories during the nineteenth and twentieth centuries. Old number 218. **6 s.h.** (w)

[Not offered in 1934-1935]

ASSOCIATE PROFESSOR CARROLL

223-224. Medieval Institutions and Culture.—A consideration of the classical heritage, the Germanic infusion, development of ecclesiastical, feudal, monarchical, and communal institutions, relations of Church and State, the rise of universities, vernacular literatures, philosophy, and art, in the period 300-1300 A. D. Old number 223. **6 s.h.** (w)

ASSISTANT PROFESSOR MACKAY

221-222. The Age of the Renaissance.—A survey of social and cultural changes in Western Europe from Dante to Erasmus. Old number 222. **6 s.h.** (w)

[Not offered in 1934-1935]

ASSISTANT PROFESSOR NELSON

225-226. The Age of the Reformation.—A survey of European civilization from 1500 through the Peace of Westphalia. **6 s.h.** (w)

ASSISTANT PROFESSOR NELSON

230. The History of North Carolina.—The evolution of the commonwealth from its origins to the present is traced with particular emphasis on social conditions and the recent period. **3 s.h.** (w)

PROFESSOR BOYD

[Not offered in 1934-1935]

231. The Hispanic Colonies of the New World.—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines. Old number 232. **3 s.h.** (w)

DR. LANNING

232-234. The Hispanic-American Republics.—A survey of the political, economic, and social development of the Hispanic-American nations since the beginning of the movement for independence in 1810. Considerable attention is also given to the foreign commerce and foreign relations of these nations. Old number 231. **6 s.h.** (w)

[Not offered in 1934-1935]

PROFESSOR RIPPY

LATIN AND ROMAN STUDIES

PROFESSORS ROSBOROUGH AND ANDERSON; ASSISTANT PROFESSOR
GATES, AND MR. ———

Work is offered in several branches of Roman Studies: Latin Language and Literature, Roman Art and Archaeology, Ancient History, Roman Law. Students who present two entrance credits in Latin should take course 3-4; those who present three entrance credits should take courses 57 and 15, following up with course 4 the second semester; those who enter with four units of Latin should register for course 41-42. (*A beginner's course 1-2 will be offered in case of sufficient demand.*)

3. Cicero's Orations.—Four orations including the *Manilian Law* and *Archias*, with attention paid to prose style. Prerequisite, two units of entrance Latin. **3 s.h.** (w & e)

4. Vergil's Aeneid.—Selections from books I-VI, to the amount of four books, will be read and translated, due attention being paid to prosody. Prerequisite, three entrance units and Latin 57 taken in the semester preceding admission to the course. **3 s.h.** (w & e)

15-16. Latin Prose Composition.—Recommended to students who are pursuing courses 3-4, 57, 41-42. **2 s.h.** (w & e)

ASSISTANT PROFESSOR GATES

41. Terence.—Comedies. **3 s.h.** (w)

Selected Latin Prose Writers, or Cicero; *De Senectute* and *De Amicitia* may be substituted. **3 s.h.** (E)

THE STAFF

42. Horace.—The Odes and Epodes. Special attention will be devoted to the study of Horace in 1935, this being the bimillennium of his birth which will be celebrated throughout the world. **3 s.h.** (w & E)

THE STAFF

53. Sallust and Tacitus.—The *Jugurtha* of Sallust, the *Agricola* of Tacitus. Prerequisite, Latin 41-42 or an equivalent. **3 s.h.** (E)

ASSISTANT PROFESSOR GATES

54. Catullus.—Most of the poems will be read, and Catullus's influence on certain ancient and modern poets will be discussed. **3 s.h.** (E)

ASSISTANT PROFESSOR GATES

57. Sight Reading Course in Classical Latin.—One period of an hour and a half per week through the first semester devoted to practice in the reading of Latin of the Classical Period; designed to train students to read with facility. Recommended for students entering with three units of Latin as preparation for beginning Vergil the second semester. *No outside preparation required.* **1 s.h.** (w & E)

PROFESSOR ROSBOROUGH

58. Sight Reading Course in Mediaeval Latin.—One period of an hour and a half per week through the second semester devoted to reading interesting Mediaeval prose and poetry, including the seven great hymns of the Church. Prerequisite, at least one of the following courses: 3, 4, 41, 42, 57. *No outside preparation required.* **1 s.h.** (w & E)

PROFESSOR ROSBOROUGH

59. Roman Law.—

[Not offered in 1934-1935]

101-102. Tacitus and Suetonius; Juvenal and Persius.—

[Not offered in 1934-1935]

103. The Roman Elegiac Poets.—Selections from Tibullus, Propertius, and Ovid. The study of Elegy as a literary form. **3 s.h.** (E)

PROFESSOR ROSBOROUGH

104. Horace: The Satires and Epistles.—World-wide attention is being paid to the study of Horace in 1935, in honor of the bimillennium of his birth. **3 s.h.** (E)

PROFESSOR ROSBOROUGH

105-106. Martial: Epigrams; Letters of the Younger Pliny.—

[Not offered in 1934-1935]

107. Livy: Ab Urbe Condita.—Books I, XXI, and XXII will be studied. **3 s.h.** (E)

ASSISTANT PROFESSOR GATES

108. Cicero's Letters.—3 s.h. (E)

ASSISTANT PROFESSOR GATES

109. Materials and Methods Course in Latin.—A study of Latin in the secondary school curriculum. Recommended for prospective teachers of high school Latin, and required of Latin teaching majors. Prerequisite, eighteen semester hours of college Latin, including courses 41-42, 53-54, or equivalents. **3 s.h. (E)**

PROFESSOR ANDERSON

(*Note: Course 109 is offered in alternate years only.*)

111-112. Roman Literature in English Translation.—

[Not offered in 1934-1935]

113-114. Roman Civilization.—

[Not offered in 1934-1935]

Ancient History: Greek 131—Latin 132.—*First semester:* History of Greece with a brief introduction on Oriental nations. *Second semester:* History of Rome. May be counted for credit as History, Greek, or Latin, but carries no language credit. **6 s.h. (W)**

PROFESSOR ANDERSON

201. Roman Fiction.—

[Not offered in 1934-1935]

202. Early Latin Christian Writers.—

[Not offered in 1934-1935]

203-204. Roman Epic Poetry.—The development and significance of the Epic in Latin Literature, with considerable reading in the Roman epic poets. **6 s.h. (W or E)**

ASSISTANT PROFESSOR GATES

205-206. Roman Drama.—Select comedies of Plautus and Terence, and select tragedies of Seneca. **6 s.h. (W)**

PROFESSOR ANDERSON OR ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy.—

[Not offered in 1934-1935]

209-210. Vulgar Latin and Introduction to Romance Philology.—Prerequisite: Latin 41-42, or an equivalent, and not less than two years of college French or college Spanish, exclusive of a beginners' course. **6 s.h. (W)**

PROFESSOR ROSBOROUGH

215. Introduction to Roman Art and Archaeology.—Principles; relation to Etruscan and Greek art; Rome's progress in art and architecture, her contribution to world art; illustrated lectures, discussions, reports. *No knowledge of Latin required for admission.* **3 s.h. (W or E)** Note: Improved Juniors may be admitted.

PROFESSOR ROSBOROUGH

216. Topography and Monuments of Ancient Rome.—A study of the site of Rome, its development and expansion; city plan; public buildings, dwelling houses, aqueducts, sewers, fora, theatres, shops, etc. **3 s.h.** (W or E)

PROFESSOR ROSBOROUGH

LAW COURSES FOR ACADEMIC STUDENTS

PROFESSORS MILLER, BOLICH, BRUTON, LON FULLER, MAGGS;
MESSRS. DEAN AND ROALFE

The first year program of the Law School is as follows:

201. Orientation and Introduction to Procedure.—2 s.h.

MR. DEAN

203-204. Contracts and Quasi-Contracts.—7 s.h.

PROFESSOR LON FULLER

205-206. Criminal Law and Its Administration.—6 s.h.

PROFESSOR MILLER AND MR. DEAN

208. Chattel Transactions.—3 s.h.

PROFESSOR BRUTON

210. Possessory Estates.—2 s.h.

PROFESSOR BOLICH

211-212. Torts.—6 s.h.

PROFESSOR MAGGS

Legal Bibliography.—No credit.

MR. ROALFE

MATHEMATICS

PROFESSORS FLOWERS, ELLIOTT, AND RANKIN; ASSISTANT PROFESSORS ALDRIDGE, CARLITZ, DALE, HICKSON, MILES, PATTERSON, ROBERTS, THOMAS;
MESSRS. DRESSSEL AND GREENWOOD; AND ASSISTANTS

Courses 1 and 2 are the traditional freshman courses in college algebra and trigonometry. Students preferring a unified course in elementary mathematics to the traditional plan of studying the elementary subjects separately should take course 3-4 instead of courses 1 and 2. Course 3-4 is required of students in the business administration and pre-medical groups, and special sections of this course will be designated for these students. A freshman who has had some trigonometry and a good high school record in algebra should take course 7. A student should consult the department for particulars regarding honors work in mathematics.

1. College Algebra.—*Each semester.* **3 s.h.**

Students found deficient in elementary algebra may be required to review this before registering for course 1. (W & E)

STAFF

2. Plane Trigonometry.—*Each semester. 3 s.h. (w)*—Fall semester. (w & E)—Spring semester.

STAFF

Prerequisite, except by special permission of the department, course 1.

3-4. Elementary Mathematical Analysis.—A unified course treating elementary topics in mathematics. Math. 3, **3 s.h.**, and Math. 4, **3 s.h. (w & E)**

STAFF

7. Algebra and Trigonometry.—This course is a treatment of the essentials of algebra and trigonometry. Open to students approved by the department. **3 s.h. (w & E)**

STAFF

9-10. Engineering Mathematics.—This course, given for engineering freshmen and other students who desire to take more than 6 hours mathematics in their freshman year, includes college algebra, plane trigonometry, and plane and solid analytic geometry. **10 s.h. (E)**

ASSISTANT PROFESSOR PATTERSON

11-12. Engineering Mathematics.—This course is given for engineering freshmen who do not qualify to take mathematics 9-10. *See Department of Engineering.* **10 s.h. (E)**

ASSISTANT PROFESSOR PATTERSON

16. Solid Geometry.—Given second semester on sufficient demand. **3 s.h. (w)**

STAFF

50. Plane and Solid Analytic Geometry.—*Each semester. 4 s.h. (w & E)*

STAFF

Prerequisite, courses 1 and 2; or 3-4.

55. Differential Calculus.—*Each semester. 4 s.h. (w & E)*

STAFF

Prerequisite, course 50.

71. Mathematics of Investment.—An elementary course dealing with simple and compound interest, annuities certain, amortization, sinking funds, depreciation, evaluation of bonds, and life insurance; primarily for students in business administration. **3 s.h. (w)**

ASSISTANT PROFESSOR HICKSON

Prerequisite, 6 hours of college mathematics. This course does not count toward a major in mathematics.

74. Statistics.—An elementary course in statistics primarily for students in business administration. **3 s.h. (w)**

ASSISTANT PROFESSOR HICKSON

Prerequisite, 6 hours of college mathematics. This course does not count toward a major in mathematics.

100. Integral Calculus.—*Each semester. 4 s.h. (W & E)*

STAFF

Prerequisites, courses 50 and 55.

FOR SENIORS AND GRADUATES

201. History of Mathematics.—This course deals with the evolution of the following topics: number system, arithmetic, geometry, algebra, trigonometry, analytical geometry, calculus, modern geometry. Brief sketches of the lives of the builders of mathematics will be given. **3 s.h. (w)**

PROFESSOR RANKIN

***204. The Teaching of Mathematics.**—A study of the fundamental processes in mathematics, the literature on mathematics, methods of study, content of courses, special features, applications, correlation of different branches of mathematics. **3 s.h. (w)**

PROFESSOR RANKIN

Prerequisite, course 100 unless the two are taken simultaneously.

207. Fundamental Concepts of Algebra and Geometry.—This course deals with the concepts: number, variable, function, limit, group, symbolism, definition, postulate, axiom, proposition, space, and proof. **3 s.h.**

PROFESSOR RANKIN

Prerequisite, course 100.

225. Theory of Equations and Determinants.—**3 s.h.**

ASSISTANT PROFESSOR THOMAS

Prerequisite, course 55.

226. Galois Theory of Equations.—The notion of a field. Properties of finite groups. The group of an equation over a field. Criteria for solvability by means of radicals. **3 s.h. (w)**

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 225.

228. Number Theory.—A study of elementary properties of integers; operations with respect to a modulus; theorems of Fermat and Wilson. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

Prerequisite, course 100.

229. Theory of Algebraic Numbers.—Ideals and unique factorization. Divisors of the discriminant. Determination of the class number. **3 s.h. (w)** Prerequisite, course 225.

ASSISTANT PROFESSOR CARLITZ

231. Differential Equations.—A study of the more common types of ordinary differential equations. Primarily a problem course for engineers. **3 s.h.**

PROFESSOR ELLIOTT

Prerequisite, course 100.

* This course carries graduate credit in education but not in mathematics.

235-236. Modern Higher Algebra.—A study of linear dependence, solution of a set of linear equations. Study of matrices, linear transformations, invariants of linear transformations, bilinear forms. **6 s.h. (w)**

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 55.

239-240. Advanced Calculus.—This course is a study of the processes of the calculus, their meanings and applications. It is designed to furnish a necessary preparation for advanced work in analysis and applied mathematics. **6 s.h.**

PROFESSOR ELLIOTT

Prerequisite, course 100.

250. Modern Geometry.—Modern geometry of the triangle, transversals, harmonic sections, harmonic properties of the circle, inversions, poles, polars, etc. Valuable to teachers of high-school geometry. **3 s.h.**

PROFESSOR RANKIN

Prerequisite, course 55.

252. Non-Euclidean Geometry.—An introduction to the geometry of Bolyai and Lobachevsky. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

Prerequisite, course 100.

255-256. Projective Geometry.—The elements of projective geometry treated synthetically. Introduction to homogeneous coördinates with application to projective geometry. Study of different types of collineations. **6 s.h.**

ASSISTANT PROFESSOR THOMAS

Prerequisite, course 55.

259-260. Analytic Geometry of Space.—The usual topics treated in cartesian and homogeneous coördinates. An introduction to differential geometry is included. **6 s.h. (w)**

PROFESSOR ELLIOTT

Prerequisite, course 55.

275. Probability.—Introductory course. Combinatory analysis, mean values, Bernoulli's theorem, the probability integral, statistics. **3 s.h. (w)**

ASSISTANT PROFESSOR MILES

Prerequisite, course 100.

276. Probability.—Continuation of course 275. Geometrical probability, probability of causes, theory of errors, applications. **3 s.h. (w)**

ASSISTANT PROFESSOR MILES

280. Fourier's Series and Spherical Harmonics.—The properties of Fourier's series and spherical harmonics with application to problems of mathematical physics. *Either semester.* **3 s.h. (w)**

ASSISTANT PROFESSOR DALE

Prerequisite, course 100.

281. Elementary Potential Theory.—Fields of force; Newtonian potentials due to volume and to surface distributions. Primarily for students who are interested in mathematical physics. **3 s.h.**

ASSISTANT PROFESSOR MILES

Prerequisite, course 100.

284. Vector Analysis.—This course is a study of the different vector products and the calculus of vectors, with applications to geometry and mechanics. **3 s.h.**

PROFESSOR ELLIOTT

Prerequisite, course 100.

MUSIC

EDWARD HALL BROADHEAD

61-62. Elementary Harmony.—Notation, scales, intervals, triads, chords of the seventh; harmonization of melodies, figured and unfigured basses; modulation, ornaments. The elements of form; the construction of hymn-tunes and other simple compositions for voices and various instruments.

Open to men and women with the approval of the instructor. Primarily for sophomores. **6 s.h.** (E)

63. History of Music to Beethoven.—Study of the development of music from its origins through the Primitive, Ancient, Polyphonic, and Classic Periods; showing the evolution of our present system of tonality.

Open to men and women. No prerequisite. **3 s.h.** (E)

64. History of Music from Beethoven to the Present.—The Romantic and Modern composers of the nineteenth and twentieth centuries and their contributions to the growth of music.

Open to men and women. No prerequisite. **3 s.h.** (E)

PHILOSOPHY

PROFESSORS WIDGERY, CRANFORD, AND GILBERT, AND MR. McLARTY

Sophomores may take courses prescribed for juniors and juniors may take courses prescribed for seniors by obtaining permission through the instructor.

98. Introduction to Ethics.—An elementary consideration of some of the important moral problems in the light of philosophical tradition and the science of values. *First period, M.W.F.* **3 s.h.** (E)

Sophomores and approved freshmen.

PROFESSOR GILBERT, MR. McLARTY

101. Introduction to Philosophy.—This course is intended to acquaint the student with the nature of philosophical problems and to show how they arise in the mind of the individual. Lectures, assigned readings with reports. *First period, M.W.F.* **3 s.h.**

(W) PROFESSOR CRANFORD, (E) PROFESSOR GILBERT
MR. McLARTY

102. Continuation of 101.—*First period, M.W.F. 3 s.h.*

PROFESSOR CRANFORD, MR. McLARTY

104. Logic.—A study of the laws and principles of deductive and inductive reasoning. Text-book and discussion. *Third period, M.W.F. 3 s.h. (E)*

PROFESSOR GILBERT

105-106. Introduction to the History of Philosophy.—*T.Th.S. second period. 6 s.h.*

PROFESSOR WIDGERY, MR. McLARTY

107. Introduction to the Philosophy of Religion.—*3 s.h.*

PROFESSOR WIDGERY

[Not offered in 1934-1935]

201-202. The Philosophy of Art.—Study of the various phases of the aesthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on aesthetics. Lectures, discussion, and reports. *M.W. fifth period. 6 s.h. (E)*

PROFESSOR GILBERT

203. The Philosophy of Conduct.—This course attempts a critical inquiry into the fundamental concepts and principles of human conduct, approached from the standpoint of nature, psychology, and philosophy. It analyzes the content of moral consciousness, and seeks to find the laws that rule in the realm of virtue and finally to discover the ultimate nature of the right. Lectures and textbooks. Text used: Everett's *The World of Values*. *Fourth period, T.Th.S. 3 s.h. (w)*

PROFESSOR CRANFORD

204. Christian Ethics.—This course attempts a critical inquiry into the fundamental concepts and principles of conduct in the light of Christianity. It seeks to show the practical application of these concepts and principles in a doctrine of Christian virtue and duties. Lectures and textbook. Text used: Smythe's *Christian Ethics*. *Fourth period, T.Th.S. 3 s.h.*

PROFESSOR CRANFORD

205. The Philosophy of History.—An inquiry into the logic and methodology of the knowledge of history, and into the metaphysical implications of history. Lectures, discussions, reports. *T.Th. 10:40-11:55. 3 s.h.*

PROFESSOR WIDGERY

209-210. The Philosophy of Religion.—A critical consideration of the data of empirical religion and the constructive development of a modern philosophy of religion. Lectures, discussions, reports. *T.Th. 2-3:15 p.m. 6 s.h. (w)*

PROFESSOR WIDGERY

211-212. The History of Philosophy.—The history of European philosophical speculation from its rise among the Greeks to the middle of the nineteenth century. Lectures, study of texts, reports. *6 s.h. (w)*

PROFESSOR WIDGERY

[Not offered in 1934-1935]

213-214. History of Aesthetics.—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. General theories will be illustrated and tested by examples from the arts. Reading and discussion. *M.W.* 2:15-3:30 *p.m.* 6 s.h. (E)

PROFESSOR GILBERT

[Not offered in 1934-1935]

216. Contemporary Philosophy.—A study of the leading philosophical movements in Europe and America in the last fifty years. Lectures, discussions, and reports. *T.Th.* 10:40-11:55. 3 s.h.

PROFESSOR WIDGERY

221. Spinoza.—Detailed study of Spinoza's works showing the development of his own thought and his relation to his contemporaries. Lectures and reports. *M.W.F. third period.* 3 s.h. (w)

PROFESSOR GILBERT

223-224. Idealism and Rationalism.—A survey of idealistic systems of philosophy, with chief emphasis on the more recent developments in idealistic thinking. Lectures and assigned readings with reports. *T.Th.S. third period.* *M.W.F. second period.* 6 s.h.

PROFESSOR CRANFORD

226. Outlines of the History of Ethics.—3 s.h.

PROFESSOR WIDGERY

[Not offered in 1934-1935]

227. Hegel.—A study of a selection of the texts together with recent interpretations. Lectures and reports. *M.W.F. third period.* 3 s.h. (w)

[Not offered in 1934-1935]

PROFESSOR GILBERT

PHYSICS

PROFESSORS EDWARDS AND HATLEY; ASSISTANT PROFESSORS CONSTANT AND NIELSEN; MESSRS. CARPENTER AND MOUZON; AND ASSISTANTS

The first course in physics deals largely with those fundamental facts and theories concerning the physical universe that are supposed to be of interest to every intelligent man, and the matter presented is within the comprehension of every college student.

The courses in physics after the first year are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

1-2. General Physics.—This course stresses neither mathematical processes nor exact measurements. It traces historically and experimentally the development of great principles. Three hours recitations and two hours laboratory. **8 s.h.** (W & E)

PROFESSORS EDWARDS AND HATLEY, MR. CARPENTER,
AND ASSISTANTS

3-4. Pre-Medical Physics.—This course is designed to meet in a thorough way the requirements for entrance into the study of medicine. The course is made up of demonstration lectures, recitations, problem periods, and laboratory sections. **10 s.h.** (W)

PROFESSORS EDWARDS, HATLEY, DR. MOUZON,
CARPENTER AND ASSISTANTS

5-6. Physics for Engineers.—A course in general physics which gives special emphasis to engineering problems. Open to sophomores who have completed trigonometry. Four hours recitation (E) and three hours laboratory. **10 s.h.** (W)

DR. MOUZON AND STAFF

7-8. General Physics.—A lecture demonstration course covering the fundamental principles of physics. No laboratory exercises are given in this course. Students desiring individual laboratory work should take Physics 9-10 or 11-12. **6 s.h.** (W)

PROFESSOR EDWARDS

9-10. Laboratory Exercises in Physics.—A first year laboratory course which demonstrates the process by which an experimental science is built and emphasizes fundamental principles. **2 s.h.** (E and W) Physics 1-2 or 7-8 prerequisite or taken concurrently.

DR. CARPENTER AND ASSISTANTS

11-12. Laboratory Physics.—In this course students are taught methods of exact observation and measurements in mechanics, heat, sound, light and electricity. Physics 1-2 prerequisite or may be taken concurrently. **1 to 3 s.h.** (W) (Credit of more than **1 s.h.** will be given only at the option of the instructor.)

DR. MOUZON AND STAFF

53. Electricity and Optics.—A course which covers the fundamental principles of electricity, and Optics in a more complete and advanced manner than is possible in Physics I. This is a lecture course with demonstrations but without individual laboratory work. Physics 102 is a correlated laboratory course. **3 s.h.** (W) Prerequisite, Physics 1-2.

PROFESSOR EDWARDS

54. Elementary Atomic Physics.—A lecture course covering advanced physical optics and the physics of the atom. Correlated laboratory work will be arranged if desired. **3 s.h.** (W) Prerequisites, Physics 1-2 and Math. 1-2.

PROFESSOR EDWARDS

55. Mechanics.—This course covers in a thorough way the more advanced phases of mechanics, which do not require the use of the calculus. **3 s.h.** (w) Prerequisites, Physics 1-2 and Math. 1-2.

DR. CARPENTER

56. Heat.—A semester course covering the principles of heat. This course is a preparation for advanced courses in Physical Chemistry and Thermodynamics. **3 s.h.** (w) Prerequisite, Physics 1-2.

DR. CARPENTER

63. Household Physics.—A course designed primarily to meet the requirements in physics for students who specialize in domestic science. The course is based on Whitman's *Physics of Household*. First or second semester. **3 s.h.** (E)

DR. CARPENTER

64. Teacher's Physics.—This course is designed primarily for those intending to teach physics in secondary schools. Enough advanced theory is covered to give some perspective, but special emphasis is placed on a study of method, every-day application of principles, construction of apparatus, the mounting of classroom experiments, and on general laboratory technique. First or second semester. **3 s.h.** (w) Prerequisite, Physics 1-2.

DR. CARPENTER

If less than ten students elect any one of the preceding courses, it may be withdrawn by the instructor.

101. Physics Problems.—First or second semester, each one, two, or three hours. Total possible credit **3 s.h.** (w) Physics 1-2 prerequisite.

DR. CARPENTER

102. Electrical Measurements.—This course is intended as a general elective for students in electrical engineering and physics. A fundamental course in electrical engineering, or course 207, or course 53 is a prerequisite. One recitation and two three-hour laboratory periods per week. **3 s.h.** (w)

ASSISTANT PROFESSOR NIELSEN

FOR SENIORS AND GRADUATES

The following courses are arranged primarily for senior students but they are open to graduate students. An elementary knowledge of the calculus and credit for 12 semester-hours in Physics is presumed in all of the following courses.

201-202. Principles of Radio Transmission and Reception.—A course covering the general theory of wave propagation and including a study of inductance, capacity, induction coils, oscillatory discharge, high frequency generators and transformers, and the various methods of detecting electro-magnetic waves. **6 s.h.** (w) Prerequisite, Physics 53 or equivalent.

DR. MOUZON

203-204. Analytical Mechanics.—Geometry of motion; kinematics of a particle and of a rigid body; statics, kinetics of a particle and of a rigid body; relative motion; general principles of mechanics. **6 s.h.** (w)

DR. MOUZON

205-206. Physical Optics.—This course deals with interference, diffraction, polarization, absorption, dispersion; in general it will cover those topics treated in a text such as Wood's *Physical Optics*. Two lectures and one three-hour laboratory period per week. **6 s.h.** (w)

PROFESSOR HATLEY

207-208. Electricity and Magnetism.—This course covers the fundamental phenomena of direct and alternating currents and magnetism. Page and Adams' *Electricity and Magnetism* is used as a basis for the lectures. Three lectures per week, throughout the year. **6 s.h.** (w)

ASSISTANT PROFESSOR CONSTANT

209. Thermodynamics.—Thermodynamics is the science on which the physico-chemical sciences are based. This introductory course deals with basic principles freed from all unnecessary complications. **3 s.h.** (w)

ASSISTANT PROFESSOR NIELSEN

210. Introduction to the Quantum Theory.—A survey of the experimental evidence on which is based the quantum theory. Planck's theory of quanta and the distribution of energy in the black body spectrum; the Bohr theory of the hydrogen spectrum; Sommerfeld's quantum conditions; atomic and molecular spectra; Compton effect; elements of wave mechanics; and other related topics. **3 s.h.** (w) Prerequisite, Physics 209.

ASSISTANT PROFESSOR CONSTANT

211-212. History of Physics.—A rapid review of the fundamental laws of physics developed from the historical point of view. First or second semester. **2 s.h.** (w)

PROFESSOR EDWARDS

Courses in Electrical Engineering open to students in Physics desiring minor work in Electrical Engineering.

257. Principles of Electrical Engineering: Advanced Alternating Currents.—The algebra of vectors and complex quantities used in electrical engineering. An advanced course in alternating currents and alternating current circuits. Prerequisites, course 151-152, Mathematics 25, 30, 231. **3 s.h.** (E)

PROFESSOR SCHEALER

258. Principles of Electrical Engineering: Advanced Alternating Current Machinery.—An advanced course consisting of lectures, recitations, and laboratory tests covering the principles underlying the construction and operation of alternating current machinery. A study of synchronous

generators and motors, transformers, parallel operation of alternators, synchronous converters, polyphase, induction motors, and single-phase induction, series, and repulsion motors. **6 s.h.** (E) Prerequisite, Engineering 257.

PROFESSOR SCHEALER

261-263. High-Frequency Alternating Currents.—An advanced course on the principles of wire and wireless communication. A thorough study is made of the theory of coupled circuits, antenna radiation, wave propagation over metallic circuits, nature of speech and sound, vacuum tubes, vacuum-tube circuits, wire and wireless-telephone circuits. **6 s.h.** (E) Prerequisite, Math. 231.

PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering with an introduction to the use of operational calculus as applied to electrical circuits. Elective. **6 s.h.** (E) Prerequisites, Physics 151-152; Math. 231.

PROFESSOR SEELEY

POLITICAL SCIENCE

PROFESSORS WILSON AND RANKIN; MESSRS. GIBSON AND SIMPSON

21-22. Principles of Citizenship.—An introductory study of the principles and problems of government in general, with emphasis upon problems of current importance. Elective for freshmen; may not be offered in satisfaction of the minimum requirements in political science in the Business Administration Group. **6 s.h.** (w)

MR. SIMPSON

101-102. American Government and Politics.—A study of the American political system, the subject matter of which includes the organization and functioning of national, state and local governments in the United States. *Open to sophomores by special permission.* **6 s.h.** (w & e)

PROFESSORS WILSON AND RANKIN, AND MESSRS.
SIMPSON AND GIBSON

Course 101-102, for which Course 21-22 is *not* a prerequisite, is ordinarily taken before any advanced course in government. Students who have not had Course 101-102 or its equivalent may be admitted to advanced courses in the department only with the approval of the individual instructors concerned.

125. American Political Parties and Practical Politics.—A study of the historical development, organization, and methods of political parties in the United States, with special attention given to current politics. **3 s.h.** (w)

PROFESSOR RANKIN

164. Railroad Regulation in the United States.—A study of powers, activities and the interrelationship of regulatory bodies, state and federal, as evidenced in legislation, administrative functioning and judicial interpretation. **3 s.h.** (w)

PROFESSOR WILSON

207. American Constitutional Law and Theory.—A study of leading principles of American Government, as developed through judicial interpretation of the Constitution. The reading of cases is supplemented by lectures and assigned legal problems. 3 s.h. (w)

PROFESSOR WILSON

209. State and Local Governments in the United States.—The subject matter of this course covers the historical development of state and local governments, their present political organization, their relation to each other and to the federal government. Special attention is given to state and county government in North Carolina. 3 s.h. (w)

PROFESSOR RANKIN

223. Political Thought to the Seventeenth Century.—A survey of political thought from the time of Plato and Aristotle to the close of the sixteenth century, with emphasis upon concepts of continuing importance in political theory. 3 s.h. (w)

PROFESSOR WILSON

[Not offered in 1934-1935]

224. Modern Political Theory.—Political theories of the seventeenth, eighteenth and nineteenth centuries are studied, with particular reference to their influence upon modern political institutions. 3 s.h. (w)

PROFESSOR WILSON

[Not offered in 1934-1935]

225-226. Comparative Government.—This course, being a survey of government in modern states, deals particularly with the political systems of the British Empire, France, Germany, Italy, Japan, Russia and Switzerland. 6 s.h. (w)

PROFESSOR RANKIN

227-228. International Law and International Organization.—Elements of international law, as evidenced in judicial interpretation and in international negotiations, with particular attention to interpretation and application by the United States. Certain international organizations are studied with special reference to their significance for international law. 6 s.h. (w)

PROFESSOR WILSON

229. American Political Institutions.—A study of the formation and development of the institutions of the national government in the United States. Federal organs of government are treated historically and analytically. 3 s.h. (w)

PROFESSOR RANKIN

[Not offered in 1934-1935]

294. Municipal Government and Administration.—A study of the general problems related to the structural system and activities of municipalities in the United States. Special reference is made to the problems of municipal government in North Carolina. 3 s.h. (w)

PROFESSOR RANKIN

PSYCHOLOGY

PROFESSORS MCDUGALL AND STERN*; ASSOCIATE PROFESSORS LUNDHOLM AND RHINE; ASSISTANT PROFESSORS ADAMS AND ZENER

101. Introduction to Psychology: (A) General Principles of Mental Activity and Growth.—Lectures, demonstrations, prescribed readings, and reports. **3 s.h.** (w & e)

DRS. MCDUGALL, LUNDHOLM, AND RHINE

This course will be given in three sections: A, B, and C. Of these, A and B will meet on West Campus, C on East Campus. Men sophomores should register for Section B, juniors and seniors for Section A.

102. Introduction to Psychology: (B) With Special Reference to the Life and Growth of Intellect (learning, memory, perception, imagination, reason, etc.). **3 s.h.** (w)

DR. ZENER

This course is supplementary to 101, which course (or an equivalent) is a prerequisite for 102.

103. Introduction to Psychology: (C) Physiological, Experimental and Applied.—Lectures and demonstrations. **3 s.h.** (w)

DR. ZENER

104. Comparative Psychology.—Lectures, readings, and reports on learning in animals. **3 s.h.** (w)

DR. ADAMS

107-108. Psychological Analysis of Prominent Characters in Literature.—Selected seniors and juniors only. First semester—Lectures, readings, and discussion. **2 s.h.** Second semester—Readings, discussion, essay-writing. **2 s.h.** (w)

DR. LUNDHOLM

114. Psychology of Personality.—Lectures, discussions, reports, and demonstrations. **3 s.h.** (w)

DR. RHINE

201. Social Psychology.—Lectures, readings, and reports. **2 s.h.**

DR. MCDUGALL

[Not offered in 1934-1935]

202. Psychology of Aesthetics.—Lectures, readings, and reports. **3 s.h.** (w)

DR. LUNDHOLM

207. Experimental Psychology.—Selected topics. Lectures, demonstrations, discussions, reports. **3 s.h.**

DR. ZENER

[Not offered in 1934-1935]

* For academic year 1934-1935.

208. Neurological Foundations of Psychology.—A comparative study of the neural basis of behavior. Lectures, laboratory. 4 s.h. (w)

DR. ZENER

[Not offered in 1934-1935]

209. Advanced Laboratory Psychology.—An introduction to experimental techniques, with emphasis on individual problems in the laboratory. 4 s.h. (w)

DR. ZENER

210. Physiological Psychology.—A consideration of those aspects of the physiology of the nervous system relevant to behavior. Lectures, reports. 3 s.h. (w)

DR. ZENER

212. Introduction to and Critical Survey of Parapsychology (Psychical Research).—Lectures, demonstrations, discussions. 1 s.h. (w)

DR. RHINE

215. Child Psychology.—Lectures with motion picture demonstrations of environmental forces in child behavior and development. 3 s.h. (w)

DR. ADAMS

216. Seminar in Comparative Psychology.—Fundamental concepts; tropisms, instinct, gradients, regulations, evolutionary theories, etc. 2 or 3 s.h. (w)

DR. ADAMS

[Not offered in 1934-1935]

217. Gestalt Theory.—Critical survey of principles and experimental contributions of Gestalt theory. 3 s.h. (w)

DR. ADAMS

[Not offered in 1934-1935]

219. History of Psychology.—Lectures and prescribed readings. A survey of the development of thought on the major problems of psychology from the earliest times to the present day. 2 s.h. (w)

DR. McDOUGALL

221. Psychology of Suggestion and Hypnosis.—Lectures, demonstrations, discussions. 2 s.h. (w) (Students admitted by consultation with instructor.)

DR. RHINE

[Not offered in 1934-1935]

223. Abnormal Psychology.—Lectures, readings, and demonstrations. 3 s.h. (w)

DR. LUNDHOLM

231-232. Introduction to Research.—Selected seniors only. 2 or 3 s.h. (w)

DRS. McDOUGALL, STERN, LUNDHOLM, ZENER, RHINE, ADAMS

224. Laboratory Methods in Animal Psychology.—Lectures and laboratory. 3 s.h. (w)

DR. ADAMS

RELIGION

PROFESSORS MYERS, BRANSCOMB, CANNON, GARBER, HICKMAN, ORMOND,
 RUSSELL,* SMITH, SPENCE; ASSISTANT PROFESSOR CRUM;
 MR. CLARK AND MRS. SPENCE

The Department of Religion is divided into several sub-divisions. The purpose is to offer courses through which the college student, especially one looking forward to some form of Christian work, may secure a general view of the field of religion, both in theoretical and in practical phases.

Courses 1-2, 51-52, 54, 101-102, 105, 169-170, 203-204, 213-214, 215-216, 265, 270, 275-276, 281-282, and Philosophy 203 (Philosophy of Conduct)-204 (Christian Ethics) may be taken to fulfill the requirement in Religion.

1. The English Bible.—Survey of the contents of the historical and prophetic books of the Old Testament with particular reference to the literary, historical, and religious values. Required of all students majoring in Religion, and is open to others as an elective in the freshman year. **3 s.h.** (E & W)

PROFESSORS MYERS, SPENCE, ORMOND; ASSISTANT
 PROFESSOR CRUM; AND MRS. SPENCE

2. The English Bible.—Study of the Psalms, wisdom literature, and the literature of the New Testament with special attention given to the literary, historical, and religious values. Required of all students majoring in Religion, and open to others as an elective in the freshman year. **3 s.h.** (E & W)

PROFESSORS MYERS, SPENCE, ORMOND; ASSISTANT
 PROFESSOR CRUM; AND MRS. SPENCE

51. The History of the Hebrew People.—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contributions to civilization. For sophomores who have not had 1-2. **3 s.h.** (E & W)

PROFESSOR MYERS, ASSISTANT PROFESSOR CRUM, AND MRS. SPENCE

52. New Testament Literature.—A study of the literature of the New Testament, its historical background, and its religious value. For sophomores who have not had 1-2. **3 s.h.** (E & W)

PROFESSOR MYERS, ASSISTANT PROFESSOR CRUM, AND MRS. SPENCE

54. Great Epochs in Church History.—The most important events in the history of the Christian Church from the Apostolic Age through the Reformation are considered in their bearing on civilization. For sophomores. **3 s.h.** (W)

PROFESSOR GARBER

[Not offered in 1934-1935]

* On leave, 1933-1934.

101. The Social Teachings of the Prophets and Jesus.—A study of the social teachings of the Old Testament prophets and of the social ideals of Jesus as they appear in the four gospels. **3 s.h.** (w)

PROFESSOR ORMOND

102. The Christian Church in the Social Order.—This course will deal with the Christian Church in its service to society and its relation to other social institutions. **3 s.h.** (w)

PROFESSOR ORMOND

103. The Prophets of the Old Testament.—In this course a study is made of the history and nature of prophecy, with particular attention being given the messages of the outstanding pre-exilic literary prophets. **3 s.h.** (w)

PROFESSOR MYERS

104. The History and Religion of the Jews to the Roman Period.—The work in this course is based largely on exilic and post-exilic prophecy, the wisdom literature, and the earlier apocalyptic and apocryphal literature. **3 s.h.** (w)

PROFESSOR MYERS

105. Founders and Literatures of Great Religions.—Biographical and historical studies in the lives and times of Laotze, Confucius, Mahavira, Nanak, Buddha, Ikhnaton, Socrates, Zoroaster, Mohammed, Moses, Isaiah, Jesus, and Paul, together with readings in the sacred writings of the world's religions. **3 s.h.** (w)

PROFESSOR CANNON

[Not offered in 1934-1935]

169. Character Problems.—Problems of youth in character building. **3 s.h.** (w)

ASSISTANT PROFESSOR CRUM

170. Religion and the Modern Home.—A study of the American home in its contemporary social and religious aspects. **3 s.h.** (w)

ASSISTANT PROFESSOR CRUM

203-204. Introduction to the Old Testament.—The origin, literary form, and contents of the books of the Old Testament in their historical setting. **6 s.h.** (w)

DR. CLARK

213-214. The Beginnings of Christianity.—A survey course dealing with the background, the beginnings, and the early history of Christianity. Special attention is given the creation of the literature of the New Testament. **6 s.h.** (w)

PROFESSOR BRANSCOMB

215. The Life of Jesus.—A study of the life of Jesus as recorded in the Synoptic Gospels. **3 s.h.** (w)

PROFESSOR MYERS

[Not offered in 1934-1935]

216. The Teaching of Jesus.—An interpretation of the teaching of Jesus as recorded in the Synoptic Gospels. **3 s.h.** (w)

PROFESSOR MYERS

[Not offered in 1934-1935]

265. Religious Drama.—A study of the uses and the underlying principles of religious drama, followed by a critical examination of selected dramatic productions. **3 s.h.** (w)

PROFESSOR SPENCE

270. Masterpieces of Great Religious Literature.—This course is devoted to the religious thought in the literature from the second to the twentieth centuries, with special attention given modern religious poetry. **3 s.h.** (w)

PROFESSOR SPENCE

275. Introduction to the Psychology of Religion.—Study of the major factors of religious experience, together with conditions bearing upon its genesis and growth. **3 s.h.** (w)

PROFESSOR HICKMAN

276. Advanced Psychology of Religion.—Psychological study of such problems as worship, prayer, and various types of belief. Some attention to special problems. Prerequisite, course 275 or its equivalent. **3 s.h.** (w)

PROFESSOR HICKMAN

281. The Nature and Early Development of Religion.—Introduction to the early history of religion, the beliefs and practices of the more primitive peoples, and the religious life of the ancient world. **3 s.h.** (w)

PROFESSOR CANNON

282. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. **3 s.h.** (w)

PROFESSOR CANNON

203. The Philosophy of Conduct.—(See Department of Philosophy for description.) **3 s.h.**

PROFESSOR CRANFORD

204. Christian Ethics.—(See Department of Philosophy for description.) **3 s.h.**

PROFESSOR CRANFORD

ELECTIVE COURSES

All courses listed as acceptable in fulfilling the requirement in the Department of Religion are also open as electives for other students, with the exception of courses 1-2, 51-52. After the requirements in Religion have been met, consent of the instructor must be secured to be admitted to the other courses in the group offered to meet the requirements in the Department.

131-132. American Christianity.—The aim of this course is to trace the growth of the different branches of the Christian Church in the United States, Canada, and Hispanic-America. Prerequisite, History 1-2 or its equivalent. **6 s.h.** (w)

PROFESSOR GARBER

[Not offered in 1934-1935]

161. The Educational Work of the Church.—An introductory study of Christian education in the local church, including a treatment of aims, procedures, administrative relationships, personnel and curriculum. Directed to the needs of lay workers in the church. **3 s.h.** (w)

PROFESSOR SPENCE

163. Religions Education of Children.—An analysis of the religious life, interests and capacities of children; including a study of the problems, objectives, methods and materials involved in teaching religion to children. Directed to the needs of the lay workers in the church. **3 s.h.** (E)

MRS. SPENCE

201-202. Introductory Hebrew.—A study in the Hebrew language. The reading of the first eight chapters of Genesis inductively. **6 s.h.** (w)

PROFESSOR ———

211-212. Hellenistic Greek.—A course for students who wish to begin the study of the language of the New Testament. Selections from the New Testament will be read in the second semester. **6 s.h.** (w)

DR. CLARK

217. The New Testament in Greek.—Rapid reading in Greek text of the New Testament. Prerequisite, six semester-hours study of the Greek language. **3 s.h.** (w)

DR. CLARK

218. Galatians and 1 Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. Prerequisite, New Testament 217, or its equivalent. **3 s.h.**

DR. CLARK

219. Life of Paul.—A study of Paul's life on the basis of Acts and the letters of Paul, emphasizing the permanent values in Paul's work and his contribution to the world. **3 s.h.** (w)

PROFESSOR MYERS

[Not offered in 1934-1935]

220. 1 Peter and the Gospel of John.—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. Prerequisite, New Testament 217 or its equivalent. **3 s.h.** (w)

DR. CLARK

233. Church History to the Reformation.—A survey of the growth of the Christian Church from the Apostolic Age to the Reformation. **3 s.h.** (w)

PROFESSOR GARBER

234. History of the Evangelical Movement.—Beginning with the Lutheran Reformation, this course traces the rise, growth, influence, and history to 1800 of the Calvinistic, Anglican, Reformed, Quaker, Baptist, and Methodist movements. **3 s.h.** (w)

PROFESSOR GARBER

251. The Rural Church and Sociology.—A study of the religious, social, educational, and economic conditions of the country; the historical development of the church in the midst of rural social relations; an attempt to discover the present social obligation of the church. **3 s.h.** (w)

PROFESSOR ORMOND

252. Rural Church Administration.—This course deals with the functions of the rural church; the minister's attitude toward rural life, his mission to the rural people, as well as his service in managing the organization of and supervising the church program. **3 s.h.** (w)

PROFESSOR ORMOND

261. An Educational Approach to Religion.—A study in the educational theory of religion, including a discussion of the social, psychological, and theological aspects of moral and religious growth. **3 s.h.**

PROFESSOR SMITH

262. Organization of Religious Education.—The development of a system of organization and administration based upon constructive educational theory, and embracing week-day as well as Sunday agencies of religious education. **3 s.h.**

PROFESSOR SPENCE

263. Curriculum of Religious Education.—Educational conceptions of the curriculum; values and uses of current curricula; principles and techniques of curriculum construction. **3 s.h.**

PROFESSOR SPENCE

264. Technic of Teaching Religion.—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. **3 s.h.**

PROFESSOR SPENCE

283. Expansion of Christianity.—Apostolic missions, conquest of the Roman Empire, winning of Northern Europe, the modern missionary era, status of missionary work in important areas, social aspects of missions, missionary biography. **3 s.h.** (w)

PROFESSOR CANNON

[Not offered in 1934-1935]

284. Principles of Missions.—The great missionary agencies, their foundation and growth; creation and cultivation of the missionary spirit at the home base; training and work of the pastor; principles and practice of missionary education; organization of the local congregation for its missionary tasks. **3 s.h.**

PROFESSOR CANNON

ROMANCE LANGUAGES

PROFESSORS WEBB, COWPER, AND JORDAN; ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS WALTON AND YOUNG; MESSRS. BRIDGERS, DAVIS, AND QUINN, MISS RAYMOND; AND ASSISTANTS

The courses in French from 1 to 54 inclusive (and 87-88) are for the general student. They give a reading knowledge of standard French and furnish an introduction to French life and letters. Courses 55-56, 107, and 217 offer training in the French language. The literary courses are devoted to the systematic study of classical and modern French literature. Advanced students are offered an introductory course in Old French philology and literature. Those planning to teach will find in course 218 a treatment of the materials and methods of High-School French.

An intensive course in Italian, offered to well-qualified students, includes the reading of Dante's *Inferno*.

The courses in Spanish from 1 to 4 and from 65 to 70 inclusive are for the general student. These courses have as objective: a reading knowledge of the language, training in oral and written Spanish, and an introduction to Spanish literature, life and customs. Course 151 offers more intensive training in the spoken and written language. The literary courses, 261 to 266 inclusive, are devoted to study and interpretation of modern and classical literature.

The requirements of effective teaching may make it necessary to limit the enrollment in Spanish 1 and 2.

FRENCH

1-2. Elementary French.—6 s.h.

ASSISTANT PROFESSOR WALTON, MR. BRIDGERS, AND MISS RAYMOND

3-4. French Prose.—6 s.h.

PROFESSORS WEBB, COWPER, AND JORDAN; ASSISTANT PROFESSOR YOUNG; DR. DAVIS, MR. BRIDGERS, AND MISS RAYMOND
Prerequisites, French 1 and 2, or two years of high-school French.

51. Introduction to French Literature.—3 s.h.

PROFESSOR COWPER; ASSISTANT PROFESSORS WALTON AND YOUNG; DR. DAVIS, AND MR. BRIDGERS
Prerequisites, French 3 and 4 or equivalent.

52. Introduction to French Literature.—3 s.h.

PROFESSOR COWPER; ASSISTANT PROFESSORS WALTON AND YOUNG; DR. DAVIS, AND MR. BRIDGERS
Prerequisite, French 51.

53. French Civilization.—3 s.h.

PROFESSORS WEBB AND JORDAN; MR. QUYNN
Prerequisites, French 3 and 4 or equivalent.

54. French Civilization.—3 s.h.

PROFESSORS WEBB AND JORDAN; MR. QUYNN
Prerequisite, French 53.

Students will take 51-52 or 53-54. Credit in these courses is limited to six semester-hours.

55. Exercises in Spoken French.—1 s.h.

MISS RAYMOND AND ASSISTANT

56. Exercises in Spoken French.—1 s.h.

MISS RAYMOND AND ASSISTANT

87-88. French Writers of the Romantic Period.—6 s.h.

DR. DAVIS
Prerequisites, French 51-52 or 53-54. May not be taken by students taking or who have taken French 108.

107. French Composition.—3 s.h.

PROFESSOR COWPER, DR. DAVIS, AND MISS RAYMOND
Prerequisites, 51-52 or 53-54.

108. The French Romantic Movement.—3 s.h.

PROFESSOR COWPER, DR. DAVIS, AND MISS RAYMOND
Prerequisites, 51-52 or 53-54.

109. Molière.—3 s.h.

PROFESSOR WEBB

[Not offered in 1934-1935]

110. Poems of Victor Hugo.—3 s.h.

PROFESSOR WEBB

[Not offered in 1934-1935]

111. French Drama Since 1850.—3 s.h.

ASSISTANT PROFESSOR YOUNG

Prerequisites, 51-52 or 53-54.

112. French Drama Since 1850.—3 s.h.

ASSISTANT PROFESSOR YOUNG

Prerequisites, 51-52 or 53-54.

113. French Classicism.—From Malherbe to La Bruyère. 3 s.h.

ASSISTANT PROFESSOR WALTON

Prerequisites, 51-52 or 53-54.

114. French Classicism.—From La Bruyère to the Encyclopédistes and Beaumarchais. 3 s.h.

ASSISTANT PROFESSOR WALTON

Prerequisites, 51-52 or 53-54.

215-216. The Modern French Novel.—6 s.h.

PROFESSOR JORDAN

Prerequisites, 6 s.h. from courses 87 to 114 inclusive.

217. The French Language.—3 s.h.

PROFESSOR WEBB

Prerequisites, 107 or equivalent.

218. Materials and Methods.—3 s.h.

PROFESSOR WEBB

Prerequisites, 107 or equivalent.

219. Old French.—An introduction to the Old French language and literature. 3 s.h.

PROFESSOR COWPER

220. Old French.—Types of Old French literature. 3 s.h.

PROFESSOR COWPER

[Not offered in 1934-1935]

231. Rousseau and the Beginnings of Romanticism.—3 s.h.

PROFESSOR COWPER

[Not offered in 1934-1935]

ITALIAN

181-182. Italian.—6 s.h.

PROFESSOR WEBB

SPANISH

1-2. Elementary Spanish.—6 s.h.

ASSISTANT PROFESSOR YOUNG AND DR. DAVIS

3-4. Intermediate Spanish.—6 s.h.ASSOCIATE PROFESSOR LUNDEBERG, MESSRS. BRIDGERS AND QUYNN
Prerequisites, Spanish 1-2 or two years of high-school Spanish.**65. Introduction to Spanish Literature.—3 s.h.**ASSOCIATE PROFESSOR LUNDEBERG AND MR. QUYNN
Prerequisites, Spanish 3-4 or equivalent.**66. Introduction to Spanish Literature.—3 s.h.**ASSOCIATE PROFESSOR LUNDEBERG AND MR. QUYNN
Prerequisites Spanish 65 or equivalent.**69. Intermediate Composition.—1 s.h.**ASSOCIATE PROFESSOR LUNDEBERG
Prerequisites, Spanish 3-4 or equivalent.
[Not offered in 1934-1935]**70. Intermediate Conversation.—1 s.h.**ASSOCIATE PROFESSOR LUNDEBERG
Prerequisite, Spanish 69.
[Not offered in 1934-1935]

151. The Spanish Language.—3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

Prerequisites, 65-66 or 3-4 with permission.

152. Spanish-American Literature.—3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

Prerequisites, 65-66 or 3-4 with permission.

261-262. The Modern Spanish Novel.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1934-1935]

263-264. The Modern Spanish Theater.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1934-1935]

265-266. Literature of the Golden Age.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

SOCIOLOGY

PROFESSORS ELLWOOD AND JENSEN

101. General Sociology.—An introduction to the scientific study of social life; its origin, evolution, and organization, as illustrated by the study of a number of concrete social problems. This course is repeated each semester and is prerequisite to all other courses in Sociology. **5 s.h.** (w)

PROFESSOR ELLWOOD

102. General Sociology.—The same course as 101. **5 s.h.** (w)

PROFESSOR ELLWOOD

205. Social Pathology.—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: Poverty, physical defectiveness, malnutrition, feeble-mindedness, insanity, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. **3 s.h.**

PROFESSOR JENSEN

206. Criminology.—Prerequisite, course 1. A study of the original tendencies of man and the problem of socializing these tendencies; the relation of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. **3 s.h.**

PROFESSOR JENSEN

212. Child Welfare.—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child.

play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. 3 s.h.

PROFESSOR JENSEN

213. Constructive Social Policies.—An intensive study of the theories and legislation dealing with such problems as compensation, vocational re-education, and other methods of social insurance and social improvement. 2 s.h.

[Not offered in 1934-1935]

215. Rural Sociology.—A study of social conditions in rural communities and their improvement. Definite rural social problems are studied such as the drift to the cities, farming as an occupation, land problems, farm labor problems, coöperation, the rural school, the rural church, rural health and sanitation, the rural home, and the social center. 3 s.h.

[Not offered in 1934-1935]

216. Urban Sociology.—A study of the organization and social problems of urban communities, with special reference to social technology or the improvement of social and living conditions. The following subjects are treated: Municipal administration, city planning, housing, public health and sanitation, public safety, justice, welfare and leisure-time activities, and civic art. (*First semester.*) 3 s.h.

PROFESSOR JENSEN

217. General Anthropology.—A study of the origin and evolution of man as an animal and of the different races of mankind. The prehistoric human types, the principles of ethnology, and the characteristics of the Negro, Mongolian, American, and Caucasian races. Lectures and assigned reading. 3 s.h.

PROFESSOR ELLWOOD

218. Cultural Anthropology.—A study of social origins and of the earliest stages of cultural evolution; the stone and metal ages; the origins of industry, language, magic, religion, morals, science, art, and social organization in the family, horde, clan, and tribe. Lectures and assigned reading. 3 s.h.

PROFESSOR ELLWOOD

227. Emigration and Immigration.—A study of territorial movements of population with especial reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organization in the New World; problems, agencies and processes of assimilation. 3 s.h.

PROFESSOR JENSEN

[Not offered in 1934-1935]

ZOOLOGY

PROFESSORS PEARSE, CUNNINGHAM, HALL, AND HARGITT; ASSISTANT
PROFESSORS GRAY AND HOPKINS; AND ASSISTANTS

Students majoring in zoölogy should take courses in the following order: First Year: 1, 2; Second Year: 53, 74; Third and Fourth Years: 151, 161, 156, 192.

1. General Zoölogy.—4 s.h. (w & e)

PROFESSOR CUNNINGHAM AND ASSISTANTS

2. General Zoölogy.—Prerequisite, Zoölogy 1. 4 s.h. (w & e)

ASSISTANT PROFESSOR GRAY AND ASSISTANTS

53. Comparative Vertebrate Anatomy.—The comparative anatomy and evolution of the organ systems of vertebrates. Prerequisite, one year of zoölogy. **4 s.h.**

ASSISTANT PROFESSOR GRAY

74. Comparative Anatomy of the Invertebrates.—A comparative study of the anatomy and evolution of the animals below the vertebrates. Prerequisites, Zoölogy 1 and 2. **4 s.h. (w)**

ASSISTANT PROFESSOR HOPKINS

92. Embryology for Premedical Students.—The fundamental principles of embryology as illustrated in the frog, chick, and mammal, with more emphasis on the last. Prerequisite, 1 year of zoölogy. **4 s.h. (w)**

PROFESSOR CUNNINGHAM AND ASSISTANTS

107. Evolution and Heredity.—Presentation of the principles of evolution and heredity and their relation to human affairs. This course does not count as a laboratory science. No prerequisite. **3 s.h. (w)**

PROFESSOR HALL

151. Comparative Physiology.—The primary functions of animals of all groups and a more detailed study of the physiological process in mammals. Prerequisite, one year of zoölogy. **4 s.h. (w)**

PROFESSOR HALL

156. Vertebrate Histology.—The microscopic structure of normal tissues and organs of the vertebrate body. Training will be given in the preparation of material for microscopic study. Primarily for major students in zoölogy and not recommended for premedical students since a similar course is given in the first year medical curriculum. Prerequisite, Zoölogy 53. One lecture and three laboratory periods. **4 s.h. (w)**

PROFESSOR HARGITT

161. Animal Parasites.—A consideration of animal parasites, with particular emphasis upon those infesting man. Prerequisite, one year of zoölogy. **4 s.h. (w)**

PROFESSOR PEARSE

192. Comparative Embryology.—A comparative study of the embryological processes in the starfish, fish, frog, chick, and mammal. Prerequisites, Zoölogy 53 or equivalent. **4 s.h.**

PROFESSOR CUNNINGHAM

215. Cytology.—A study of the morphology and physiology of the cell. Prerequisites, Zoölogy 1, 2, and 156 or equivalent.

ASSISTANT PROFESSOR HOPKINS

219-220. Special Problems.—Students who have had proper training may carry on special work under the direction of members of the faculty. (w)

THE STAFF

222. Entomology.—The anatomy and classification of insects. Prerequisites, one year of zoölogy. Offered in alternate years. **4 s.h.**

ASSISTANT PROFESSOR GRAY

227. Experimental Embryology.—Lectures, assigned readings, and reports. In the laboratory a study is made of the effects of environment on various animals, including the frog, chick, and mammal. Offered in alternate years. **2 or more s.h.**

PROFESSOR CUNNINGHAM

228. Endocrinology.—The structure, physiology, and embryology of the endocrine glands. Lectures, reading assignments, and reports. Offered in alternate years. **2 or more s.h.**

PROFESSOR CUNNINGHAM

[Not offered in 1934-1935]

GENERAL REGULATIONS

The academic year is divided into two semesters. The first semester of the academic year 1934-1935 begins September 19; the second, January 31. Commencement is held on Tuesday and Wednesday after the first Sunday in June.

TIME OF ENTRANCE

Patrons of the University and students who intend to enter the freshman class are reminded that the entrance examinations are held at the opening of the first semester in September and that this is the proper time to enter. If an applicant for admission cannot come early in the year, he should wait, except in very unusual cases, until the opening of the next semester. It is important that all students be present on the first day of the session, for those who are late incur the penalties described above in this catalogue under the topic, "Admission to College," and below under the sub-topic, "Course-Cards." Students who enter after the beginning of the semester are marked absent in the work they have missed in the courses to which they are admitted, and these absences are counted as other absences from class.

MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission or examination. Cards of admission must be presented at the Treasurer's office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of five dollars for late registration. Students whose course-cards have been approved in the spring in the manner provided below are given an opportunity during the summer to matriculate by mail for the first

semester. No student without a matriculation card is admitted to any class.

COURSE-CARDS

Members of the freshman, sophomore, and junior classes are required to submit to the Dean, not later than May 1, cards showing their selection of courses for the following year. These cards must be approved by the Dean. After being approved, the cards must be filed for permanent record in the Dean's office. Students in the freshman, sophomore, and junior classes who do not select their courses for the following year at the time appointed have to pay a fee of five dollars to the Treasurer of the University before their course-cards may be approved in the fall. Students whose course-cards have been approved but who, for reasons not arising within the University, desire to make a change in the card approved have to pay to the Treasurer a fee of one dollar for each change made. Elective courses beyond the number required for a degree may be marked "extra." No course may be elected later than two weeks after the opening of the semester.

If a student drops a course without permission from the Dean of the College, the grade for that course shall be recorded as "F."

If a student drops with permission a course in which he is failing at that time, the grade for that course shall be recorded as "F," unless in the judgment of the Dean, circumstances do not justify this penalty.

EXAMINATIONS

Mid-year and final examinations are held in all subjects in January and May respectively. The examination record, combined with the record made in class, constitutes the student's final grade.

REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty:

Grades shall be reported so as to indicate one of four things:

(1) *Passed*. A grade of "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group

of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students (with incomplete grades) who have not satisfied the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of three dollars to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused, and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades) who have not satisfied the requirements of the department concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

Excuses for absences from examinations are handled in the same manner as excuses for absences from class.

EXPLANATION OF THE QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester-hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each

semester-hour of credit. The grade "A" gives three quality-points for each semester-hour of credit; the grade "B" two quality-points; the grade "C" one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester-hour of failure. Credit for 122 quality-points, exclusive of those earned in physical education, is required for the degree of bachelor of arts or bachelor of science in all groups.

NUMBER OF HOURS OF CLASS WORK

No undergraduate student is allowed to take less than fourteen hours of class work a week without special permission of the Dean.

No undergraduate student may take more than the normal amount of work in one semester if he fails to make an average grade higher than "C" on the work of the preceding semester.

CLASS STANDING

For a student to rank as a sophomore, he must have to his credit twenty-four semester-hours with an average grade of "C"; as a junior, fifty-six semester-hours with an average grade of "C"; as a senior, ninety semester-hours, with an average grade of "C."

SENIOR WORK

A student of the senior class, irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete his work of the senior year with an average grade of "C" or better.

EXCLUSION FOR FAILURE

A student of the freshman class is not permitted to remain in the University in the second semester unless he passes as much as six semester-hours of the work of the first semester; a student of any one of the three other classes is not permitted to remain in the University in the second semester unless he passes as much as nine semester-hours of work in the first semester.

A student of the freshman class is not permitted to re-enter in September, nor to enter Summer School, if he did not pass at least eighteen semester-hours of the work in the previous year; a student of any one of the three other classes is not permitted to re-enter in September, nor to enter the Summer School, if he did not pass at least nine semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year.

STUDENTS TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester-hours with which they are credited, provided their grades warrant it.

DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty :

1. Any freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 3 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

3. Whenever the work of a student in any subject is satisfactory to an instructor except for gross errors in English, the instructor concerned may hand in a provisional grade only. This grade may not be recorded in the college files until the student shall have improved his work in composition to the satisfaction of the English Department. A list of such provisional grades, along with evidence of deficiencies, shall be furnished the English Department each term by the officers in charge of the grades, and a report shall be made by this department when the deficiencies shall have been removed.

4. All instructors are requested to advise their students each semester concerning these regulations.

CANDIDATES FOR ACADEMIC DEGREES

1. A tentative list of all candidates for the bachelor's degree shall be prepared under the supervision of the Dean of the College as early in the college year as possible, shall be read by him to the Faculty at its first regular meeting in October, shall be furnished in copy to each department of instruction for information and reference, and also shall be posted in copy on the official bulletin board of the University for the information of the students concerned.

2. Copies of a second such tentative list likewise shall be prepared, read, and distributed by April 15.

3. A final list of all candidates for the degree shall be read by the Dean to the Faculty at its first regular meeting in May and shall be adopted by the Faculty as the final list. After the adoption of this list no name may be added to it.

4. Students who during Summer School complete the requirements for a degree shall be classified for graduation as of the year following the Summer School in which the work was completed, and their names shall so appear in the catalogue of the University and on the commencement program.

THE DEAN'S LIST

Students of the junior and senior classes who, at the mid-year or final examinations, have attained in Duke University an average of "B" in their courses of the half-year just closed and who have not received a grade of "F" in any course may be placed on the Dean's List for the succeeding half-year.

The name of a student may be withdrawn from the List at any time by the Dean, if the student fails to maintain a satisfactory standard of scholarship and conduct.

Students whose names are on the Dean's List will not be subject to the general regulations of the University governing class attendance. This privilege, however, may not be exercised in course primarily open to freshmen. Furthermore, such students are required to be present at the meeting of each class immediately before and after the Thanksgiving, Christmas, and Easter holidays, unless they are excused by the Dean of the College.

If, for any reason, a student is removed from the Dean's List, his name shall not subsequently appear on this List.

CLASS ATTENDANCE AND ABSENCES

Regular and punctual attendance in class-work is required of all students not on the Dean's List.

The purpose of the following rules is to provide for those absences made necessary by illness and all other emergencies. Students should reserve these absences for such occasions.

If a student incurs during a semester more than five absences from a three-hour course of study he is carrying (the number of absences allowed in any other course being proportionate to the credit hours the course carries), he shall suffer the loss of quality-points as follows: for the first absence in excess of the number allowed, one; for the second, two; for each absence thereafter, three. Absences due to prolonged illness or to authorized representation of the University in a student activity are excused without effect on grades. However, if other absences, unless unavoidable, are incurred after such excused absences, they will cause the loss of quality-points in accordance with the penalty as defined above.

If the total number of a student's absences in all the courses for which he is registered during a single semester amounts to one more than the total number allowed, except under the provisions of the preceding paragraph, his total credit for that semester is reduced by one hour, and for each additional five absences a reduction of one hour of credit is made.

As soon as the number of absences in a single semester course, exclusive of the absences due to prolonged illness and authorized representation of the University, exceeds three times the number of credit hours the course carries, registration in that course is cancelled.

A student is counted absent from meetings of a class held before he matriculates at the beginning of a semester.

Each absence incurred just before or after the Thanksgiving, Christmas, or Easter holidays shall be counted as three absences.

In addition, a student for excess absences, may, at the discretion of the Dean, be put on probation or dropped from the college.

Weekly reports of all absences of students from class are made by each instructor and are filed in the office of the Dean. A permanent record of the attendance of each student is kept and becomes a part of his general college record.

The instructor has no authority to excuse a student from class attendance, and it is his duty to report all absences, for whatever cause, to the Dean's office at the end of each week.

SCHOLARSHIP REGULATIONS FOR ATHLETIC AND OTHER ORGANIZATIONS

The following regulations have been adopted by the Faculty :

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the opinion of the Dean, he is not doing satisfactorily his current work.

REGULATIONS GOVERNING ATHLETIC ELIGIBILITY

Duke University is a member of the Southern Intercollegiate Athletic Conference. The athletic eligibility regulations of the University comply with the rules governing members of that Conference.

THE ATHLETIC COUNCIL

The Board of Trustees, at its regular annual meeting in June, 1907, created an athletic council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni resident in the city of Durham, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This Committee alone has the responsibility of enforcing the scholas-

tic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed on the two preceding pages of this catalogue.

The Executive Committee of the Athletic Council is composed of the chairman of the faculty committee on athletics, and one other faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and towards student bodies of other educational institutions; through athletic sports to help to cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the Council recommends to the President of the University persons to serve as graduate manager of athletics and as coaches in the various sports. However, the election of such persons rests solely with the Trustees of the University or the Executive Committee of the Trustees, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the College Treasurer. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

CONDUCT OF STUDENTS

The University expects of its students loyal and hearty cooperation in developing and maintaining high standards of conduct as well as of scholarship. The University therefore reserves the right, and matriculation by the student is a concession of this right, to ask the withdrawal of any student whose conduct at any time is not satisfactory to the University, even though no specific charge be made against the student.

ADMINISTRATION OF DISCIPLINE

General oversight of the conduct of students and the administering of discipline are vested in the Dean of the University.

The duty of immediate supervision, guidance, and control of the students in each college is entrusted to the Dean of that college. However, through the expressed willingness of the students at the University to assume the responsibility of maintaining high standards of morals and honor at all times, the student body has properly become in a great degree self-governing in this respect. Two councils, one of men and the other of women, each composed of carefully-chosen and duly-elected representatives of the student body, exercise the authority granted the students to investigate all cases of misconduct, as well as all other cases of violation of proper student standards and traditions and to make recommendations of penalties based on their findings. Occasions seldom occur where such recommendations are not accepted and enforced.

The student councils have been of great help to the administrative authorities of the University. They not merely exercise police authority for restraining and punishing evil-doers but also exert a guiding and stimulating influence for the promotion of high ideals of conduct and student relationships.

REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Council on Public Lectures. All dates and programs must be approved by this Council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.

(1) The Council on Public Lectures shall provide each year an official calendar.

(2) All public occasions held on either the East or West University Campus are listed for the Weekly Calendar of Duke University in the office of the Department of Public Relations and Alumni Affairs in the West Campus Union. This calendar appears each Saturday, and such notices must be received by 1:00 P.M. on the Friday preceding.

Social or other events held in the West Campus Union must be listed in the office of the Director of Public Relations and

Alumni Affairs, and permission must be secured for such social use of the public rooms in the building.

REPORTS

Reports of the class attendance records and of the proficiency of each student in studies are sent to his parents or guardians after the examinations at the end of each semester. For freshmen, mid-semester reports are made.

HEALTH AND PHYSICAL EDUCATION

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

MEDICAL CARE

With the exceptions noted below full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of five dollars payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University physician with the coöperation of the staffs of the infirmaries (one on each campus) and the University hospital. It includes hospitalization, medical and surgical care, drugs, dressings, X-ray work, and ward nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic ill conditions, such as the removal of diseased tonsils, are not included in this service. The cost of any necessary braces and orthopedic appliances as well as of special nursing must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have the attention of the Director at his two daily visits to the infirmaries, which have day and night nurses on duty. Students developing serious conditions are promptly

transferred from the infirmaries to the university hospital, where they come under the care of the staff of the hospital.

A questionnaire is sent out from the office of the Director of Student Health in the spring to all prospective students, advising certain medical and surgical care by their home physician or surgeon, such as the giving of typhoid or smallpox vaccine, removal of diseased tonsils, correction of errors of refraction, repair of a hernia, or removal of a chronic appendix. Important time is frequently lost in correcting these conditions after entrance into college; and the cost for this work must be borne by the student.

When the student comes to the University, he is given as careful a physical examination as is possible at the time. Any physical defects are recorded along with the record of the questionnaire from the family physician. Frequently early cases of pulmonary tuberculosis or other disease is found, and X-rays and special observations and study become necessary for the best welfare of the ill student and those about him.

PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS

TRINITY COLLEGE

The University requires all students to engage in some type of physical activity for two years, or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation. The aims of this work are to improve body-control and strength through big muscle activities, to stimulate the development of mental and physical alertness, to establish habits of regular exercise, and to give training and experience in various kinds of recreational sports that will be indulged in after the student graduates from the University.

Intramural sports are fostered and promoted in all lines of athletic activity. Meets, tournaments, and leagues are seasonally organized in the different sports. All students in the University are eligible to enjoy the intramural privileges, provided they comply with the intramural rulings. Participation in these activities is entirely voluntary, but it is very popular because it provides an opportunity for every boy to enter into competition and recreation in those sports which he enjoys most.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, boxing, wrestling, tennis, and golf.

WOMAN'S COLLEGE

The health of the students is under the care of the University Physician, the Resident Nurse, and the Director of Physical Education. Daily office hours are held for consultation, and every student may have free advice on all matters pertaining to her health. All cases of minor illness are cared for in a well-equipped Infirmary on the Woman's College Campus and more serious cases are sent to the Duke Hospital where special rates are given to University students.

A medical and physical examination is required of each student upon entrance and follow-up examinations are given as needed. These examinations are used as a basis for determining the type of physical exercise a student should take and any other corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities. It is the aim of the Department to develop in the student, not only physical ability, but, more especially, proper habits of living in order that her work may be carried on to the best advantage.

In addition to the required work in Physical Education there are intramural activities sponsored by the Woman's Athletic Association, and opportunities for the use of the swimming pool, tennis courts, athletic fields, and other sports equipment.

RELIGIOUS EXERCISES

Chapel exercises are conducted on Tuesday, Wednesday, and Friday throughout the academic year at 11:40 A.M. on the campus for men and at 11:20 on the campus for women. During the Monday chapel period all students meet by classes to confer with their respective faculty class-advisers. On each Thursday at 11:40 A.M. the College Assembly is held in the Page Auditorium, and all undergraduate men are required to be present. Preaching services are held on Sunday at 11:00 A.M. in the University Chapel. Organ recitals are given on Sunday afternoons. During the summer sessions carillon recitals are given twice a week.

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room rent—See the detailed statement that follows.	
Athletic fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage fee, payable annually at the time of first registration....	1.00
Medical fee, per semester.....	5.00
Library fee, per semester.....	5.00
Commencement fee, payable annually at the beginning of the second semester.....	3.00
Publication fee:	
First semester.....	2.50
Second semester.....	3.00
Diploma fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded....	5.00

For further information concerning room rent, see below.

LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 103, 154, 156, 202, 211, 212, 213, 214, 221, 223, 224, 254, and 256.....	\$2.50
Botany 51, 53, 151, 251, and 252.....	5.00
Botany 101, 102, 111, and 112.....	2.00
Botany 201.....	4.00
Chemistry 1, 2, 21, 30, 41, 261, 262, 215, 216, 231, 232, 240, and 260	7.00
Chemistry 151, 152, 241, 244, 253, 254, and 256.....	8.50
Education 1.....	1.00
Education 54, 58, 68, and 101.....	2.00
(See note under history below.)	
Education 208 (for testing materials in lieu of text).....	2.50

Engineering

Civil 10 and 110—See Summer School bulletin.	
Civil 11, 107, 111, 112, 113, 114, 117, 118, 119, 123, 124, and 240	2.00
Electrical 151, 152, 153, 154, 155, 258, 261, and 262.....	2.00
Mechanical 79, 189, 190, 193, 194, 199, and 200.....	2.50
Forestry 154, 254	2.50
History 91 and 92.....	3.00
No texts are required in these courses, but a fee of three dollars is charged and books are placed in the library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
Physics, all courses.....	2.00
Zoölogy 1 and 2.....	3.50
Zoölogy 53, 151, 153, 156, and 321.....	5.00
Zoölogy, all other advanced laboratory courses.....	3.00

TEACHERS TAKING COLLEGE COURSES

Teachers in near-by schools, taking one or two courses are required to pay a registration fee of \$5 each semester and a tuition fee of \$3 per semester-hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$543.50 to \$638.50.

The athletic and publication fees, also included in the above figures, while not essentially University fees, are at the request of the students collected by the Treasurer of the University as designated above. The proceeds of these fees are turned over to these distinct and separate student activities. The athletic fee entitling the holder to admission to all athletic contests held on the University grounds, is collected from all regularly enrolled students. The publication fee pays for a blanket sub-

scription to the weekly student newspaper, the monthly student magazine, and the annual student year-book. With all undergraduates this charge is compulsory, but in the case of graduate students it is optional.

ROOMS AND CONDITIONS OF RENTING THEM

ROOM RENT FOR MEN OF DUKE UNIVERSITY

West Campus, per semester.....	\$50.00, \$62.50, and \$75.00
East Campus, per semester.....	\$30.00 and \$50.00

ROOM RENT IN WOMEN'S COLLEGE

Single room, per student, per semester.....	\$75.00
Two-room suite (for two students), per student, per semester....	75.00
Double room, per student, per semester.....	50.00
Double room, Jarvis House, per student, per semester.....	30.00

Rooms are reserved only for students who have been officially accepted by the University. They are rented for no shorter period than one semester. The occupancy of a room for a period less than one semester will cost the student \$1.00 each day unless the occupant makes the necessary arrangements with the Director of the Business Division before occupying the room. Undergraduate students who are not residents of Durham are required to room in University dormitories unless other arrangements are approved by the Dean's office of the University. A room deposit of \$5.00 is required of each applicant for admission. This fee is deducted from the room charges at the time of registration for the fall semester. The reservation fee will be refunded to any applicant not accepted by the University provided the official receipt for the fee, given to all paying it, is presented either in person or by letter to the Treasurer's office, but students who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before August 1.

A resident student who wishes to retain his room for the succeeding year must first pay a reservation fee of \$5.00 to the Treasurer's office and then notify the office of the Director of the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. When a room is once engaged by a student, no change will be permitted except with the con-

sent of the Director of the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. The use of a room for merchandising of any kind is strictly forbidden.

The University does not assume the responsibility of selecting and assigning room-mates, though it will gladly render any assistance possible in the matter.

RESIDENCE HOUSES

Trinity College.—On the West Campus there are three groups of residence houses, each group forming a quadrangle enclosing a court. These groups of houses are designated as Craven, Crowell, and Kilgo Quadrangles. They contain ample rooming quarters for all the men students.

Woman's College.—The five residence houses on the East Campus are Alspaugh, Pegram, Bassett, Joseph G. Brown, and Jarvis. Upon request to the Director of the Business Division, College Station, Duke University, a plan of the residence houses will be sent. The resident students have a right to retain their rooms for the ensuing year or to draw for new ones in the order of their classes, beginning with the seniors. The new students are then assigned to the remaining rooms, and, so far as possible, to the type of room they prefer. Every effort is made to provide congenial room-mates.

The students' rooms are single, double, or arranged in suites of two rooms for two students, and are supplied with all necessary furnishings except curtains, towels, sheets, pillow-slips, blankets, and heavy bed coverings. Sash curtains of a standard kind are required and may be bought at the college store or made by the student according to specifications. Draperies and rugs may be brought from home or may be bought at reasonable rates at the college store or in town.

BOARDING ACCOMMODATIONS

Trinity College, West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient

to provide in a superior way for all resident men students. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barber Shop, and all publication staff offices.

In addition to the Union dining halls a Coffee Shop is operated for the convenience of students and visitors.

Woman's College, East Campus.—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman student is permitted to board elsewhere than at this Union. Board is \$112.50 per semester.

LAWS REGULATING PAYMENTS

The Executive Committee of the Trustees of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend, or in any way alter these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parent or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties if his bills are not paid on the dates advertised.

PUBLICATIONS COUNCIL

The Publications Council was authorized by the Trustees at the mid-year meeting in 1926-27. This council has control of the undergraduate publications. It is composed of three members of the Faculty appointed by the President, two alumni elected by the Alumni Council, representatives of the student body and the different publications. A publication fee of \$5.50 was authorized by the Trustees to be collected from each undergraduate, \$2.50 payable at the beginning of the fall semester and \$3.00 at the beginning of the spring semester.

TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of one dollar is made for each additional copy.

SCHOLARSHIPS AND OTHER SOURCES OF AID

UNDERGRADUATE SCHOLARSHIPS

Ten scholarships paying tuition are offered to undergraduates. Five are held by members of the sophomore class and five by members of the junior class. Sophomore scholarships are awarded at the end of the freshman year and junior scholarships at the end of the sophomore year. They are awarded on the basis of the applicant's character and promise as indicated by his work in college.

The University reserves the right at any time to withdraw a scholarship from a student who does not make worthy use of it.

ANGIER B. DUKE MEMORIAL SCHOLARSHIPS

The Angier B. Duke Memorial, Incorporated, awards four scholarships with an annual value of \$250 each to undergraduate students in Duke University. These scholarships are awarded as follows: one on the basis of merit and necessity to an accredited high-school graduate entering the freshman class of Duke University; and one each to a member of the sophomore, junior, and senior classes on the basis of merit, necessity, and worthy individual contributions to university life. *The Angier B. Duke Memorial* also administers through an advisory committee of the officers of the University a loan fund for undergraduate students.

Applications for scholarships should be made to the Scholarship Committee, Secretary's Office, Duke University Station. An application for scholarship assistance may not be made formally by a prospective student until the application for admission has been made and the high- or preparatory-school credits have been submitted.

LOAN FUNDS

In addition to the *Angier B. Duke Memorial* loan fund, the University administers other endowed loan funds for the benefit of students who are not financially able to meet their ex-

penses. The loan funds are kept by the Treasurer as funds separate and distinct from all other endowments and holdings of the University and are used for no other purpose than to aid worthy students of the University. These funds are administered in accordance with the following regulations:

1. No loan shall be made to a student who violates any of the regulations of the University or whose classwork is not satisfactory to the Faculty.

2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged for not later than one week after the beginning of a semester.

3. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the Treasurer of the University.

4. No loan will be made to defray any other expenses than those incurred during the academic year for tuition, for matriculation, or for room-rent.

5. Interest at a rate of six per cent annually shall be charged for all loans of money, and the interest must be paid annually.

6. Applications for loans should be made to the Loan Fund Committee, Secretary's Office, Duke University Station. A formal application for loan assistance may be made only on blanks furnished in the Secretary's Office at the time of registration. The granting or withholding of a loan is a matter entirely within the discretion of the Loan Fund Committee. A student is expected to use all other possible means of securing financial assistance before applying for aid from the Loan Fund.

SPECIAL TUITION SCHOLARSHIPS

The *J. A. Odell*, *J. M. Odell*, *George W. Watts*, *Herbert J. Bass*, *C. W. Toms*, *Arthur Ellis Flozeers*, *Heath*, *Weatherby*, *Banks-Bradshaw*, *McMullan*, *Elisha Cole*, *E. M. Cole*, *John T. Ring*, *A. D. Betts*, *John W. Neal, Jr.*, *Moorc*, *Parish*, and *Mary Neeby Toms* scholarships are open to undergraduate students.

CANDIDATES FOR THE MINISTRY

Candidates for the ministry who enter college with approved records may have their tuition remitted, but in that case they are required to give their notes for tuition. If they enter the regular ministry within three years after leaving college, these notes will be surrendered to them; otherwise, the notes will be collected.

HONORS AND PRIZES

HONORS

All students in the freshman and sophomore classes who earn 6 "A's" and 4 "B's" during the year are given honors.

Students who have shown exceptional attainments in a group of studies covered by the work of one of the departments of the University may become candidates for honors in that department at graduation.

Any department may at its discretion each year offer work, the satisfactory completion of which shall be one of the requirements for honors. This work shall be in addition to that required for graduation and may take the form either of additional work done in conjunction with the regular courses of the department, or of work independent of such courses. In quantity it shall be at least equivalent to that required for two semester-hour's credit in an advanced course.

The granting of department honors shall be dependent upon the fulfillment of the following requirements:

1. In order to be eligible for honors in a department a student must, by the end of the senior year, have completed, with a credit of sixty-three quality-points (5 "A's" and 3 "B's"—forty-eight quality-points if the major is eighteen semester-hours), twenty-four semester-hours of work taken in that department after the freshman year.

2. The student must enroll for the honors work of the department on or before October 15 of the senior year and must complete this work satisfactorily by the end of the senior year.

3. No student may enroll for the honors work of a department if in his senior year he is carrying a schedule of regular courses in excess of thirty-two semester-hours.

4. No student may enroll for honors work in more than one department.

5. Those students who earn seventy-two quality-points (8 "A's") in as many as twenty-four semester-hours (fifty-four quality-points if the major is eighteen semester-hours) in

courses as above described, and complete satisfactorily the honors work prescribed by the department are given highest honors.

The degree of bachelor of arts or bachelor of science with distinction is conferred under the following rules:

Students who have completed three or four years of work in Duke University are eligible for general honors at graduation. Those who have completed the entire four years of their college work in Duke University and who have earned 318 quality-points (3/5 "A's" and 2/5 "B's"—249 quality-points if they have completed as much as three years of their college work in Duke University) are recommended for a degree *magna cum laude*; those who have earned 378 quality-points (42 "A's") in the four years (288 quality-points [32 "A's"] in three years) are recommended for a degree of *summa cum laude*.

MEDALS AND PRIZES

The *Wiley Gray Medal* was established by the late Robert T. Gray, Esq., of Raleigh, North Carolina, to be awarded annually in memory of his brother. It is given for the graduating oration that shall be, in the opinion of a committee appointed on the day of Commencement, the best speech, with respect to both declamation and composition.

The Fortnightly Club annually offers cash prizes for the best literary productions by undergraduate students of the University.

The Debate Council authorizes the awarding of medals to members of the graduating class who have represented the University in at least two intercollegiate debates. The medals are given by the local chapter of the Tau Kappa Alpha fraternity.

The Southern History Prize is awarded each year for the best essay dealing with a subject relating to Southern History. The prize is twenty-five dollars in cash donated by an anonymous friend of the University. The competition for the prize is conducted according to the regulations adopted by the Trinity College Historical Society.

The Robert E. Lee Prize is the gift of the Reverend A. W. Plyler, of the class of 1892, and of Mrs. Plyler. The sum of fifty dollars is awarded annually at Commencement, preferably to that member of the senior class who in character and conduct, in scholarship and athletic achievement, in manly virtues and the capacity for leadership has most nearly realized the standard of the ideal student. The Dean of the College, the

Graduate Manager of Athletics, and the President of the Student Council constitute a committee to draft and adopt regulations governing the award.

The Robert Spencer Bell Prize (suspended, 1934-1935) is given by Mr. James A. Bell of the class of 1886 in memory of his son. The sum of one hundred dollars is awarded annually at Commencement on much the same general principles as the *Robert E. Lee Prize*, except that the *Robert Spencer Bell Prize* is limited to self-help students, and in making the award greater emphasis is placed on the work of the student in literary societies than on his athletic record.

The Dr. R. C. Parker Physics Prize. Dr. R. C. Parker gave to Duke University a silver cup of Chinese manufacture to be used for the encouragement of scholarship in physics. The award is made annually by a committee from the Department of Physics, acting with the President of the University, to that student of Physics 1-2 who by the end of the academic year is judged to have shown the greatest promise as a student of physics. The winner is chosen not only for his mathematical grades but also for his industry, growth in power of reasoning, originality of point of view, and skill in experimentation. The name of the winner is engraved on the cup which is given into his possession, subject to certain necessary regulations, until the next award is made.

The Iota Gamma Pi Scientific Prize. The Iota Gamma Pi Science Fraternity offers an annual prize of twenty-five dollars to a member of the junior class, majoring in science, who is judged to be the leading student in the scientific courses of the University. The fraternity submits to the judges a list of students eligible for the prize. The committee of award is composed of the Dean of the University and one member each from the departments of biology, chemistry, physics, and engineering. The departments concerned choose their own representatives on this committee. The award is made on the following basis: quality of scientific work, 50 points; personality and general ability, 30 points; quality of work in departments other than scientific, 20 points.

The president of the fraternity publicly awards the prize in chapel during the second week in May.

The George Washington Bicentennial Award, established by the Duke Alumni Association of Washington, D. C., will be made to the Duke student from Washington or vicinity "who most nearly emulates and personifies the fine example of citizenship set by George Washington." The value of the prize is fifty dollars.

The Willis Smith Prize. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of law school work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

STUDENT ORGANIZATIONS AND ACTIVITIES

The Men's Association of Duke University comprises all men students in the University. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of seven members: three from the senior class, two from the junior class, one from the sophomore class, and one from the graduate school.

The Women's Student Government Association is similar in character to the Men's Association. Its council is composed of the officers of the association and *ex-officio* of the Y. W. C. A. president and an undergraduate representative.

The Young Men's Christian Association and the *Young Women's Christian Association* are student branches of the national Christian Association. Each body aims to enrich not only the religious life of its members as individuals but also to promote group religious activity. Delegates are sent each year to summer conferences, state conventions, inter-state conventions, and the state Bible and missionary institutes. Every year a series of special religious services is held. Bible and missionary study classes and Sunday-School teacher-training courses are conducted under the auspices of the association by members of the Department of Religion.

The Student Volunteer Band is an active branch of the Student Volunteer Movement of North America. This organization is composed of students who have volunteered for some form of foreign missionary service.

The Ministerial Association is a band of students who are preparing for the ministry.

The Religious Education Association is an organization for young women interested in religious and social work.

The Symphony Orchestra, two smaller orchestras, and the *Duke University Band* afford a variety of opportunity for students interested in instrumental music. These clubs work under

capable music direction. Membership is based on competitive trials.

The Men's Glee Club and the *Women's Glee Club* are both active in concert work. When singing together they comprise the University Chorus. The men's club takes two extended trips annually on one of which it is accompanied by the Symphony Orchestra and by one of the smaller orchestras. The Women's Glee Club includes a section of stringed instruments.

The Duke Players is an organization for the promotion of dramatics at Duke University. Several plays are presented each year, the cast for each of which is determined on the basis of competitive try-outs. The Duke Players welcome as associate members in their organization persons interested in dramatics at Duke University.

The White Witch Dramatic Club proposes to foster dramatic interests among women students who are not Duke Players. Private theatricals, usually consisting of one-act plays, are given to invited guests.

The Chronicle is a weekly newspaper of the University, entirely edited and managed by students. It carries items of local interest, as well as special articles and editorial comment.

The Archive is a monthly literary magazine edited and managed by the students. It contains essays, poems, short stories, and book reviews written by the undergraduates of the University together with some contributions from outside sources.

The Chanticleer is the year-book of the college. It portrays by word and picture the most important events of each school year.

Several Clubs exist on the campus, each of which fosters interest in some special subject or project:

The Trinity College Historical Society promotes interest in the study of history and the collection and preservation of historical documents, books, and pamphlets.

The Classical Club meets to discuss literary, linguistic, historical, and archaeological aspects of the life and civilization of the ancient Greeks and Romans.

The Duke University Dames Club is open to all wives of students in Duke University. Meetings are held monthly, and are devoted to social interests.

The Physics Club deals with interesting projects in physics which cannot be thoroughly discussed in the classroom.

The W. H. Pegram Chemistry Club performs a similar service in the field of chemistry.

The French Club draws together students particularly interested in the French language and literature.

The Polity Club promotes discussion of current problems in the field of international relations and American politics. It is affiliated with the International Relations Club.

Sigma Xi Club.

The Crowell Scientific Society is a union of all the departmental scientific societies of the University for the promotion of study and research within the University.

The Cosmopolitan Club is open to all students from foreign countries and to a few American students by invitation. The purpose of the club is to promote better international understanding and good-will.

The Fortnightly Club, a chapter of the national literary fraternity of Sigma Upsilon is composed of men of the junior and senior classes whose interests are literary. It encourages original work on the part of its members as well as the study of influential writers, ancient and modern.

The Debate Council, composed of three members of the Faculty and two representatives of each of the literary societies, supervises and systematizes the work of debating both within the University and with other colleges.

The Columbian Literary Society, founded in 1846, is the oldest undergraduate organization on the Duke University campus.

The League of Women Voters has a chapter at Duke University.

The Junior Big Sisters is an organization of juniors for assisting freshman girls in their adjustment to college life.

The Duke Bar Association is a student organization patterned after the American Bar Association and is designed to give students practical preparation for participation in Bar Association and other professional activities. All students in the law school are members.

The Order of the Coif, national legal scholarship fraternity,

established a chapter in the Law School of Duke University on December 20, 1932. Election of students is restricted by the national constitution to the ten per cent of the senior class who have attained the highest rank in their law school work.

Order of Sandals, honorary sophomore organization.

The Mathematics Club is an organization for promoting further interest in mathematics.

The Forum Club has as its object to promote among women students an interest in the classics.

The Town Girls Organization brings together the women day students.

The Women's Athletic Association is an organization to encourage interest and participation in sports and out-door life.

Several honorary orders and fraternities exist at Duke University. The general nature of these societies is indicated below.

Phi Beta Kappa, the oldest Greek-letter fraternity in existence, was founded at William and Mary College in 1776. The Beta Chapter of North Carolina was organized at Trinity College on March 29, 1920. Membership is open only to those who have an average of 90 for six consecutive semesters of college work.

Tau Kappa Alpha (National Forensic Fraternity)

Sigma Upsilon (See Fortnightly Club)

Kappa Delta Pi (National Education Fraternity)

Theta Alpha Phi (National Dramatic Fraternity)

Lambda Phi Gamma (National Music Fraternity)

Sigma Pi Sigma (National Physics Fraternity)

Phi Sigma (National Biological Fraternity)

Sigma Tau Delta (National English Fraternity)

Sigma Nu Phi (National Law Fraternity)

Alpha Kappa Psi (National Commercial Fraternity)

Gamma Eta Gamma (National Law Fraternity)

Phi Delta Phi (International Law Fraternity)

Iredell Law Club (Local Law Club)

Delta Upsilon Beta (Local Band Fraternity)

Iota Gamma Pi (Local Scientific Fraternity)

Psi Kappa Alpha (Local Economics Fraternity)

Chi Delta Phi (National Literary Sorority)

Delta Phi Rho Alpha (Local Sorority fostering college spirit, especially athletics)

Nereidian Club (Swimming)

Nu Sigma (Local Biological Sorority)

American Institute of Electrical Engineers (Duke University Branch)

American Society of Civil Engineers (Duke University Student Chapter)

Duke University Society of Mechanical Engineers

Delta Epsilon Sigma (Local Honorary Engineering Society)

Red Friars, founded in 1913, is a secret society restricted to men of the senior class. Membership is limited to a small number who have manifested qualities of leadership by meritorious service as undergraduates.

Omicron Delta Kappa promotes qualities of leadership in publications, athletics, and other forms of campus activity.

White Duchy is a secret order comprised of seven senior women recognized as representing the highest qualities of leadership in the various activities in which they have taken part.

The Tombs is a secret order of male students for the promotion of various campus activities, especially athletics. Membership is restricted to students of the junior and senior classes.

The 9019, a junior-senior scholarship society, was founded at Trinity College in 1890. The society started *The South Atlantic Quarterly* and has under its auspices the annual civic celebration on Washington's birthday.

EKO-L is an organization of women students of the junior and senior classes to promote scholarship and the interests of the University.

Pi Gamma Mu is a national social science honor society.

Beta Omega Sigma, founded in 1917, is a local sophomore order.

Delta Phi Alpha is a national honorary German fraternity.

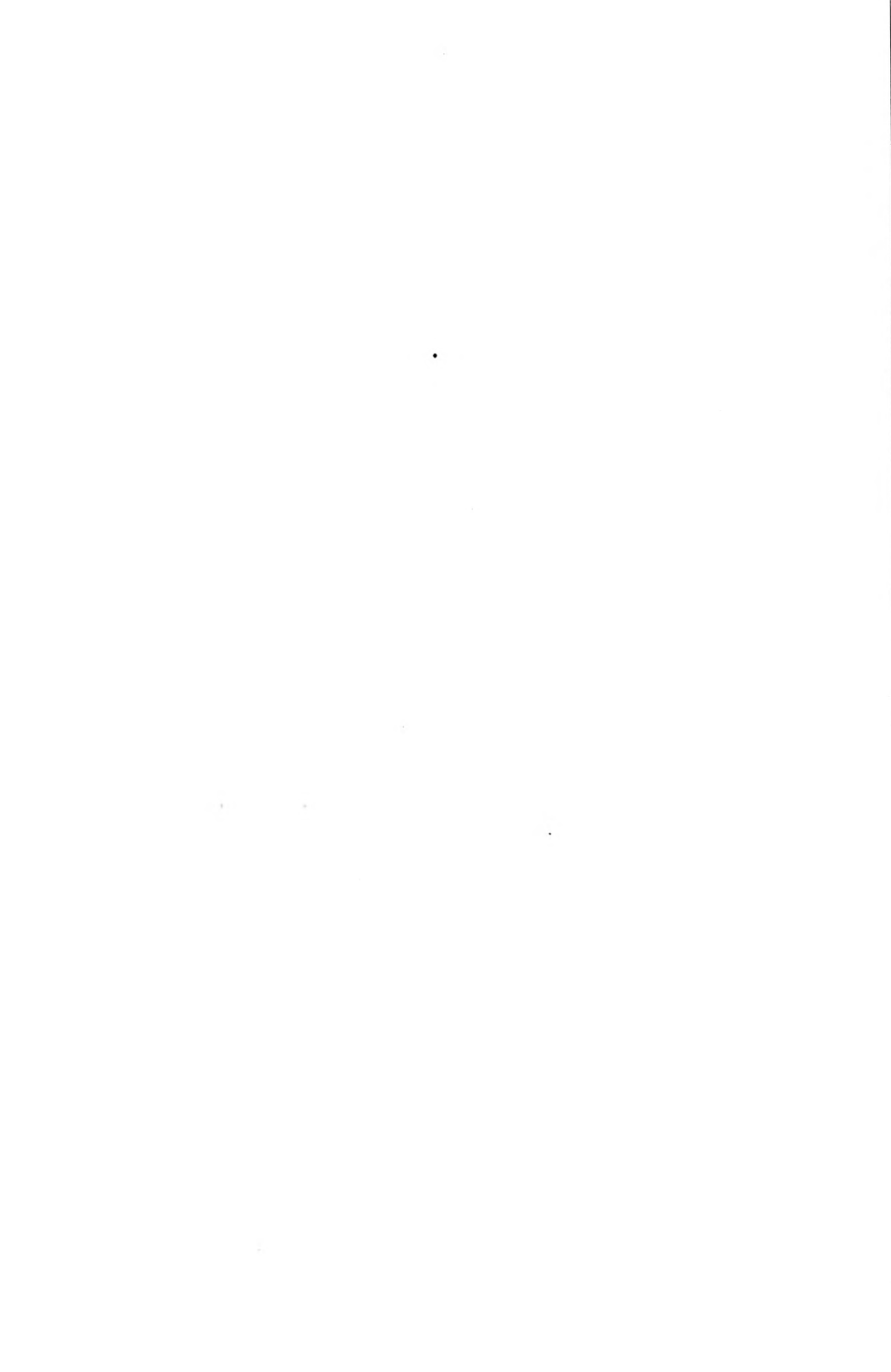
The work of the social fraternities and inter-fraternity relationships at Duke University are governed by the *Pan-Hellenic Council*, which is composed of one representative of each national fraternity on the campus. The Council has as its adviser a member of the Faculty chosen by the Council. By order of the Council, no student may be initiated into a frater-

nity until he has passed at least four courses in the semester preceding the earliest official time for the initiation of freshmen, and has earned nine quality-points. The following social fraternities have chapters at Duke University :

<i>Alpha Tau Omega</i>	<i>Phi Sigma Delta</i>
<i>Kappa Sigma</i>	<i>Sigma Alpha Epsilon</i>
<i>Kappa Alpha</i>	<i>Sigma Nu</i>
<i>Pi Kappa Alpha</i>	<i>Pi Epsilon Pi</i> (local)
<i>Sigma Phi Epsilon</i>	<i>Sigma Tau Alpha</i> (local)
<i>Pi Kappa Phi</i>	<i>Sigma Delta</i> (local)
<i>Sigma Chi</i>	<i>Sigma Alpha</i>
<i>Delta Sigma Phi</i>	<i>Omega</i> (local)
<i>Lambda Chi Alpha</i>	<i>Keyes Club</i> (local)
<i>Phi Delta Theta</i>	<i>The Dons</i>
<i>Delta Tau Delta</i>	

The *Women's Pan-Hellenic Council*, composed of three members from each sorority on the campus, governs sorority affairs. The sororities represented at Duke University are :

<i>Alpha Delta Pi</i>	<i>Sigma Kappa</i>
<i>Kappa Delta</i>	<i>Pi Beta Phi</i>
<i>Zeta Tau Alpha</i>	<i>Delta Delta Delta</i>
<i>Kappa Alpha Theta</i>	<i>Nu Beta Phi</i> (local)
<i>Kappa Kappa Gamma</i>	



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SCHOOL OF RELIGION



1933-1934

ANNOUNCEMENTS FOR 1934-1935

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ANNUAL CATALOGUES AND BULLETINS

FOR GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

FOR BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

FOR BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

FOR BULLETIN OF THE DEPARTMENTS OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

FOR BULLETIN OF THE SCHOOL OF LAW, apply to *The Dean of the School of Law*, Duke University, Durham, N. C.

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FOR BULLETIN OF THE SCHOOL OF RELIGION, apply to *The Registrar of the School of Religion*, Duke University, Durham, N. C.

FOR BULLETIN OF THE SUMMER SCHOOLS, apply to *The Director of the Summer Schools*, Duke University, Durham, N. C.

BULLETIN
OF
DUKE UNIVERSITY



SCHOOL OF RELIGION
1933-1934
ANNOUNCEMENTS FOR 1934-1935

DURHAM, NORTH CAROLINA
1934

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CALENDAR

1934

- Sept. 20. Thursday, 4 P.M.—First regular faculty meeting.
Sept. 21-22. Friday and Saturday—Matriculation and registration of students.
Sept. 24. Monday, 8:40 A.M.—Instruction begins.
Sept. 25. Tuesday, 8 P.M.—Formal opening exercises.
Oct. 16. Tuesday—Fall retreat.
Nov. 1. Thursday—Last day for submitting subjects for B.D. theses.
Nov. 11. Sunday—Armistice Day.
Nov. 29. Thursday—Thanksgiving Day—A holiday.
Dec. 11. Tuesday—Duke University Day—Not a holiday.
Dec. 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

- Jan. 3. Thursday, 8:40 A.M.—Instruction is resumed.
Jan. 19. Saturday—Mid-year examinations begin.
Jan. 30. Wednesday—Matriculation and registration for second semester.
Jan. 31. Thursday—Second semester begins.
Feb. 22. Friday—A holiday.
March 27. Wednesday, 1 P.M.—Spring vacation begins.
April 3. Wednesday, 8:40 A.M.—Instruction is resumed.
May 1. Wednesday—Spring retreat.
May 15. Wednesday—Last day for submitting B.D. theses.
May 24. Friday—Final examinations begin.
May 31. Friday, 4 P.M.—Dean's reception to graduating class.
June 2. Sunday—President's address to graduating class.
June 3. Monday evening—Organ recital.
June 4. Tuesday morning—Commencement sermon.
June 4. Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business Meeting of Alumnae Association.
June 4. Tuesday evening—Reception in honor of the Graduating Class.
June 5. Wednesday morning—Commencement address.
June 5. Wednesday afternoon—Graduating exercises.
June 5. Wednesday afternoon at sunset—Lowering of the Flag by the graduating class.

GENERAL ADMINISTRATION

FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., LL.D., Litt.D.
President of the University

FLOWERS, ROBERT LEE, A.M., LL.D.
*Vice-president in the Business Division, Secretary, and
Treasurer of the University*

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.
Vice-president in the Educational Division of the University

BROWN, FRANK CLYDE, A.B., A.M., Ph.D.
Comptroller of the University

LEE, ARTHUR CARL, B.S., C.E.
Chief Engineer

COMMITTEE OF THE BOARD OF TRUSTEES ON THE SCHOOL OF RELIGION

W. W. PEELE, T. M. GRANT, J. F. KIRK, J. B. HURLEY, T. F. MAPR

EDUCATIONAL ADMINISTRATION

*RUSSELL, ELBERT, A.B., A.M., Ph.D.
Dean of the School of Religion

ROWE, GILBERT THEODORE, A.B., D.D., Litt.D.
Acting Dean of the School of Religion

GARBER, PAUL NEFF, A.B., A.M., Ph.D.
Registrar of the School of Religion

* On sabbatical leave, 1933-1934.

INSTRUCTIONAL STAFF

BRANSCOMB, BENNETT HARVIE, A.B., M.A. (Oxon), Ph.D.

Professor of New Testament

CANNON, JAMES, III, A.B., A.M., Th.B., Th.M.

Ivey Professor of the History of Religion and Missions

CRANFORD, WILLIAM IVEY, A.B., Ph.D.

Carr Professor of Philosophy

ELLWOOD, CHARLES ABRAM, Ph.B., Ph.D., LL.D.

Professor of Sociology

GARBER, PAUL NEFF, A.B., A.M., Ph.D.

Professor of Church History

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.

Professor of the Psychology of Religion

MYERS, HIRAM EARL, A.B., S.T.B., S.T.M.

Professor of English Bible

ORMOND, JESSE MARVIN, A.B., B.D.

Professor of Practical Theology

ROWE, GILBERT THEODORE, A.B., D.D., Litt.D.

Professor of Christian Doctrine

*RUSSELL, ELBERT, A.B., A.M., Ph.D.

Professor of Biblical Interpretation

SMITH, HILRIE SHELTON, A.B., Ph.D., D.D.

Professor of Religious Education

SPENCE, HERSEY EVERETT, A.B., A.M., B.D.

Professor of Religious Education

STANBURY, WALTER ALBERT, A.B., D.D.

Professor of Practical Theology

CLARK, KENNETH WILLIS, A.B., B.D., Ph.D.

Instructor in New Testament

JENSEN, HOWARD EIKENBERRY, A.B., A.M., B.D., Ph.D.

Professor of Sociology

* On sabbatical leave, 1933-1934.

McDOUGALL, WILLIAM, B.A., M.A., M.B., D.Sc., Litt.D.

Professor of Psychology

WIDGERY, ALBAN GREGORY, B.A., M.A.

Professor of Philosophy

LUNDHOLM, HELGE, Ph.D.

Associate Professor of Psychology

BARNES, JAMES FOSTER, A.B., A.M.

Instructor in Church Music

CHALKER, THOMAS PHELPS, A.B., A.M., B.D.

Assistant in Hebrew

COMMITTEES OF THE FACULTY

Registration and Advanced Standing—The Registrar, the Dean, and Professor Cannon.

Public Exercises—Dean Russell, Professors Branscomb, Garber, Hickman, and Rowe.

Library—Professors Branscomb, Cannon, and Smith.

Extension—Professors Hickman, Rowe, Myers, Ormond, and Spence.

Representatives on Joint Committee on Junaluska School of Religion—President Few, Dean Russell, and Professor Garber.

SCHOOL OF RELIGION IN DUKE UNIVERSITY

HISTORICAL STATEMENT

The present Duke University has been gradually developed from a simple beginning in a local school established in 1838 in the northwestern part of Randolph County, North Carolina. This school was enlarged in 1840 and named Union Institute. In 1841 it was incorporated as Union Institute Academy by the legislature of North Carolina. Under the leadership of President Braxton Craven, the academy grew into an institution chartered as Normal College in 1851. An amendment to the charter in November, 1852, authorized Normal College to grant degrees, and two students were graduated in 1853 with the degree of bachelor of arts.

In 1859 the charter of Normal College was amended to place the institution under the control of the Methodist Episcopal Church, South, and the name was changed to Trinity College. Dr. John Franklin Crowell became president of Trinity College in 1887. The most important achievement of his administration was the removal of the college to Durham, North Carolina, which was accomplished by September, 1892.

President Crowell resigned in 1894, and was succeeded by the Reverend John Carlisle Kilgo, D.D. During President Kilgo's administration the endowment of Trinity College was greatly increased, the Library and other important buildings were erected, and notable progress was made in increasing the variety and improving the quality of the courses of instruction. A School of Law was established in 1904 by the gift of Messrs. James B. and Benjamin N. Duke. In 1910 President Kilgo was succeeded by Dr. William Preston Few.

Trinity College has experienced a great expansion in faculty, endowment, buildings, and equipment during President Few's administration. In December, 1924, Mr. James B. Duke established a \$40,000,000 trust fund for educational and charitable purposes. Trinity College accepted the terms of the indenture of trust on December 29, 1924, and on the following day

the name of the institution was changed to Duke University. Mr. Duke's death in 1925 was followed by the announcement of munificent provisions in his will for the development of the University which bears his family name.

SCHOOL OF RELIGION

Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctively Christian auspices. There has been no departure from this clearly defined aim. On the contrary there has been ever-increasing emphasis placed upon this feature of the work of the college, especially in the provision in the curriculum for a great variety of courses on the Bible and other religious subjects.

Through the gift of Mr. James B. Duke, the School of Religion and its curriculum have been separated from the work of the Department of Religion in Trinity College. Among those for whom his gift was intended Mr. Duke placed ministers first. He felt sure that his native state of North Carolina stood in need primarily of a better educated and more efficiently trained ministry. The organization of the School of Religion of Duke University, the first of the professional schools to start its work, is the carrying out of this intention on the part of Mr. Duke. The work of the school began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

Duke University retains the same close relationship which Trinity College always held to the Conferences in North Carolina of the Methodist Episcopal Church, South. This legal relationship has always been broadly interpreted: members of all Christian denominations, as well as Methodists, are made to feel welcome in the School of Religion. The basis on which the work is conducted is broadly catholic and not narrowly denominational.

THE PURPOSE OF THE SCHOOL OF RELIGION

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The School of Religion of Duke University purposes to offer train-

ing for all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the Church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who is placed before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently this School of Religion is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

RELATION OF THE SCHOOL OF RELIGION TO DUKE UNIVERSITY

As one of the coördinate schools of Duke University, the School of Religion is in closest touch with the other schools, particularly with Trinity College and with the Graduate School. Correspondence is invited from those who are interested in the possibility of securing degrees other than that of Bachelor of Divinity, which is granted upon recommendation of the faculty of the School of Religion. Seniors in Trinity College are admitted to certain courses in the School of Religion. Various privileges of Duke University are open to students of the School of Religion. Students in this school are expected to take part in the religious and social life of the University campus and to share in athletic interests and activities.

REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign countries as well as to students from institutions in the United States. They must

satisfy the faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official, or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men.

ADMISSION TO ADVANCED STANDING

Students coming from colleges where departments of religion are maintained may be admitted to advanced courses in the departments of the School of Religion in which they have done previous work as undergraduates. After one semester in residence and the completion of at least twelve semester-hours of work, students may make application to the faculty of the School of Religion for credit toward the Bachelor of Divinity degree for courses of senior-graduate rank taken as undergraduates.

PART-TIME SCHEDULES

Students who are not giving full time to their studies in the School of Religion may carry only limited schedules of class work.

REQUIREMENTS FOR GRADUATION

The degree of Bachelor of Divinity will be conferred by Duke University on students in the School of Religion who satisfactorily complete the prescribed course of study, consisting of ninety semester-hours of work and a thesis. The course is planned to cover three years, of two semesters each, and students are urged to plan to spend in their theological studies the full time thus designated. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the School of Religion, and has satisfactorily completed a minimum of twenty-four semester-hours of work.

THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability

to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field, and must be filed with the Dean of the School of Religion on or before November 1 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes shall be permitted, except changes for the purpose of clarification or limitation of the subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except on the approval of the dean and the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be read by a committee of three members of the faculty of the School of Religion, one of whom shall be the professor under whose direction the thesis has been written, and two other members appointed by the dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the examining committee, including the representative of the department in which the thesis was written.

A complete typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by May 1, and three permanently-bound typewritten copies shall be presented for examination not later than May 15 of the year in which it is expected that the degree will be conferred. Theses submitted after May 15 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination such retyping and re-binding of the thesis as the committee of examination may desire shall be required.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

GENERAL REQUIREMENTS

Ninety semester-hours are required for graduation. Forty-two of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics and Practical Theology	6 s.h.
Religious Education	3 s.h.
Psychology of Religion	3 s.h.
History of Religion and Missions	6 s.h.
	<hr/>
	42 s.h.

MAJORS AND THESIS

Each student must select a major field in which he elects to write his thesis and in which he must take twelve semester-hours in addition to the general requirement in that field. This choice must be made by the end of the middle year. A student may take his major in any of the departments of the School of Religion. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the departments of Old Testament and New Testament nine semester-hours in the department of Old Testament and nine semester-hours in the department of New Testament, exclusive of language.

12 s.h.

FREE ELECTIVES

Thirty-six semester-hours are designated as free electives. These are to be elected by the student, subject to the approval of the faculty.

36 s.h.

90 s.h.

DISTRIBUTION OF COURSES BY YEARS

JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester-hours shall be chosen from the remaining required courses or their normal sequences in the departments of Homiletics and Practical Theology, Religious Education, Psychology of Religion, History of Religion and Missions, but not more than six semester-hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.

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30 s.h.

MIDDLE YEAR

Christian Doctrine	6 s.h.
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After completing all other required courses, the remainder of the work of this year is elective; but not more than twelve semester-hours shall be taken in one department.

24 s.h.

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30 s.h.

SENIOR YEAR

In the senior year the student must fulfill all general requirements not completed in the junior and middle years. The remainder of the work is elective.

30 s.h.

TABLE OF REQUIRED COURSES

OLD TESTAMENT

203-204. Introduction to the Old Testament	6 s.h.
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NEW TESTAMENT

213-214. The Beginnings of Christianity	6 s.h.
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CHRISTIAN DOCTRINE

321. Introduction to the Science of Theology	3 s.h.
322. The Content of Christian Doctrine	3 s.h.

CHURCH HISTORY

233. Church History to the Reformation	3 s.h.
234. The History of the Evangelical Movement	3 s.h.

HOMILETICS AND PRACTICAL THEOLOGY

341. Homiletics, <i>and either</i>	3 s.h.
251. The Rural Church and Sociology, <i>or</i>	3 s.h.
252. Rural Church Administration, <i>or</i>	3 s.h.

342. Sermon Construction, <i>or</i>	3 s.h.
343. Homiletical Argumentation, <i>or</i>	3 s.h.
344. Psychology of Preaching, <i>or</i>	3 s.h.
345. City Church Administration, <i>or</i>	3 s.h.
346. Public Worship	3 s.h.

RELIGIOUS EDUCATION

261. An Educational Approach to Religion, <i>or</i>	3 s.h.
262. Organization of Religious Education	3 s.h.

PSYCHOLOGY OF RELIGION

275. Introduction to the Psychology of Religion	3 s.h.
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HISTORY OF RELIGION AND MISSIONS

281. The Nature and Early Development of Religion, <i>or</i>	3 s.h.
282. Living Religions of the World, <i>and cithcr</i>	3 s.h.
283. Expansion of Christianity, <i>or</i>	3 s.h.
284. Principles of Missions	3 s.h.

*COURSES OF INSTRUCTION

OLD TESTAMENT

Odd-numbered courses are offered in the first semester, even-numbered courses in the second semester.

201-202. Introductory Hebrew.—A study in the Hebrew language. The reading of the first eight chapters of Genesis inductively. T.Th.S. at 8:40. **6 s.h.** PROFESSOR ———

203-204. Introduction to the Old Testament.—The origin, literary form, and contents of the books of the Old Testament in their historical setting. M.W.F. at 8:40. **6 s.h.** PROFESSOR RUSSELL

301. Old Testament Theology.—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite, Old Testament 203-204. T.Th.S. at 10:40. **3 s.h.** PROFESSOR RUSSELL

302. The Exegesis of Selected Books of the Old Testament.—The books to be studied will be chosen from the following list: Job, Second Isaiah, Zechariah, the Psalms. The study will be based on the English text. Prerequisite, Old Testament 203-204. T.Th.S. at 10:40. **3 s.h.** PROFESSOR RUSSELL

303. Old Testament Literature.—A study of the story-literary element in the Old Testament with reference to both form and content; and the elements and chief forms of Old Testament poetry, especially the Psalms. Prerequisite, Old Testament 203-204. T.Th.S. at 8:40. **3 s.h.** PROFESSOR RUSSELL

305-306. Pre-Mosaic Hebrew Religion.—Its historical portrayal in the Old Testament. Prolegomena to the study of Old Testament history and literature. No knowledge of Hebrew required. M.W.F. at 12:10. **6 s.h.** PROFESSOR ———

[Not offered in 1934-1935]

307-308. The Old Testament in Hebrew.—Parts of the Pentateuch are read during the first semester. Selections from the prophets are the basis for the study in the second semester. M.W. at 4. **6 s.h.** PROFESSOR ———

* On recommendation of the professor in charge of the major-field courses offered in the Graduate School of Arts and Sciences, other than those approved for credit in the School of Religion, may be approved for credit in individual cases, provided no equivalent course is offered in the School of Religion; each case to be decided on its merits.

309-310. Ancient Oriental History.—The aim of this course is to show the relations of Minoan, Philistine, Ancient Egyptian, and Assyro-Babylonian history and literature to the Old Testament and to the early history of the Hebrews. M.W.F. at 8:40. **6 s.h.** PROFESSOR _____

NEW TESTAMENT

211-212. Hellenistic Greek.—A course for students who wish to begin the study of New Testament Greek. T.Th.S. at 8:40. **6 s.h.**, provided the student takes New Testament 217-218 the following year.

DR. CLARK

213-214. The Beginnings of Christianity.—A survey course dealing with the background, the beginnings, and the early history of Christianity. Special attention is given to the creation of the literature of the New Testament. M.W.F. at 9:40. **6 s.h.** PROFESSOR BRANSCOMB

217. The New Testament in Greek.—Rapid reading of the Greek text of the New Testament. Prerequisite, six semester-hours study of the Greek language. T.Th.S. at 9:40. **3 s.h.** DR. CLARK

218. Galatians and I Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. Prerequisite, New Testament 217, or its equivalent. T.Th.S. at 9:40. **3 s.h.** DR. CLARK

[Not offered in 1934-1935]

219. Life of Paul.—A study of Paul's life on the basis of the Acts and the epistles. Consideration is given to Paul as a man, the factors entering into his character, and his permanent contribution to the world. M.W.F. at 9:40. **3 s.h.** PROFESSOR MYERS

[Not offered in 1934-1935]

220. I Peter and the Gospel of John.—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. Prerequisite, New Testament 217, or its equivalent. T.Th.S. at 9:40. **3 s.h.** DR. CLARK

311. The Life and Teachings of Jesus.—Prerequisite, New Testament 213-214. M.W.F. at 10:40. **3 s.h.** PROFESSOR BRANSCOMB

312. New Testament Theology.—The religious teachings of the books of the New Testament. Prerequisite, New Testament 213-214. M.W.F. at 10:40. **3 s.h.** PROFESSOR BRANSCOMB

314. Romans, James, and I John.—A detailed study of three different types of early Christian thought. The course will be based on the English text. Prerequisite, New Testament 213-214. T.Th.S. at 12:10. **3 s.h.** PROFESSOR BRANSCOMB

315. Judaism at the Beginning of the Christian Era.—A study of Judaism from the time of Ben Sirach to the writing of the Mishna. Prerequisite, New Testament 213-214. T.Th.S. at 10:40. **3 s.h.**

PROFESSOR BRANSCOMB

316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite, New Testament 213-214. T.Th.S. at 10:40. **3 s.h.**

DR. CLARK

318. Text of New Testament.—A study of the materials for the reconstruction of the text, the principles of textual criticism, and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. Prerequisite, New Testament 213-214, and a reading knowledge of Greek. M.W.F. at 10:40. **3 s.h.**

DR. CLARK

411-412. Seminar.—The materials and methods for the investigation of New Testament problems, with individual research done under the direction of the members of the department. Admission by special permission. **4 s.h.**

PROFESSOR BRANSCOMB

CHRISTIAN DOCTRINE

321. Introduction to the Science of Theology.—A consideration of theology as a branch of science and an indication of some of the results obtained through the use of the scientific method in theological investigation. M.W.F. at 8:40. **3 s.h.**

PROFESSOR ROWE

322. The Content of Christian Doctrine.—A comprehensive survey of the leading doctrines of Christianity in the light of the religious thought and experience of the present age. M.W.F. at 8:40. **3 s.h.**

PROFESSOR ROWE

323. Theology in Ancient and Medieval Christianity.—The history of Christian thought from the Greek Fathers to the Scholastics with special attention to the ecumenical creeds. Prerequisite, Christian Doctrine 321-322. T.Th.S. at 12:10. **3 s.h.**

PROFESSOR ROWE

324. Theology in Modern Christianity.—The history of Christian thought from the beginning of the Reformation to the present time. Prerequisite, Christian Doctrine 321-322. T.Th.S. at 12:10. **3 s.h.**

PROFESSOR ROWE

325. Soteriology.—A study of the Christian doctrine of salvation and a comparison of the various ways by which the saving power of God is thought to take effect in personal and social life. Prerequisite, Christian Doctrine 321-322. T.Th.S. at 9:40. **3 s.h.**

PROFESSOR ROWE

326. Eschatology.—A study of "the last things" in the light of the Christian hope for the individual and for society with special emphasis upon personal immortality. Prerequisite, Christian Doctrine 321-322. T.Th.S. at 9:40. **3 s.h.**

PROFESSOR ROWE

CHURCH HISTORY

233. Church History to the Reformation.—A survey of the growth of the Christian Church from the Apostolic Age to the Reformation. M.W.F. at 10:40. **3 s.h.** PROFESSOR GARBER

234. History of the Evangelical Movement.—Beginning with the Lutheran Reformation, this course traces the rise, growth, influence, and history to 1800 of the Calvinistic, Anglican, Reformed, Quaker, Baptist, and Methodist movements. M.W.F. at 10:40. **3 s.h.** PROFESSOR GARBER

333. Protestantism and Catholicism in Europe since 1800.—A comprehensive study of the religious situation in Europe in modern times, emphasizing the papacy in the age of nationalism, relations of church and state, German theology of the nineteenth century, and the Oxford movement. Prerequisite, Church History 233-234. M.W.F., at 12:10. **3 s.h.** PROFESSOR GARBER

[Not offered in 1934-1935]

334. The Church in America: the National Period.—Major emphasis is placed upon relations of church and state, steps toward Christian unity, the small sects, the Young People's Movement, Christian education, and modern theological issues. Prerequisite, Church History 233-234. M.W.F. at 12:10. **3 s.h.** PROFESSOR GARBER

335. Great Men of the Christian Church.—A study of outstanding individuals who have influenced the thought and program of the Christian Church. The life, work, and contributions of about twenty representative Christian leaders. Prerequisite, Church History 233-234. M.W.F. at 12:10. **3 s.h.** PROFESSOR GARBER

[Not offered in 1934-1935]

336. Religion in the Southern States since the Civil War.—A detailed study of the religious life of the Southern people since 1865. Prerequisite, Church History 233-234. **3 s.h.** PROFESSOR GARBER

[Not offered in 1934-1935]

337. Methodism.—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. Prerequisite, Church History 233-234. M.W.F. at 12:10. **3 s.h.** PROFESSOR GARBER

PROFESSOR GARBER

431-432. Seminar.—Principles and Practice of Research. Investigation of selected topics. Students admitted only on permission of the instructor. Hours to be arranged. **4 s.h.** PROFESSOR GARBER

HOMILETICS AND PRACTICAL THEOLOGY

251. The Rural Church and Sociology.—A study of the religious, social, educational, and economic conditions of the country; the historical development of the church in the midst of rural social relations; an attempt to discover the present obligation of the church. T.Th.S. at 8:40. **3 s.h.** PROFESSOR ORMOND

252. Rural Church Administration.—This course will deal with the functions of the rural church; the minister's attitude toward rural life, his mission to the rural people, as well as his service in managing the organization of and supervising the church program. T.Th.S. at 8:40. **3 s.h.** PROFESSOR ORMOND

341. Homiletics.—An introduction to the theory and practice of preaching. Practical problems in preaching are investigated, to determine the causes of success and failure. Opportunity for practice preaching will be afforded. T.Th.S. at 9:40. **3 s.h.** PROFESSOR MYERS

342. Sermon Construction.—A study of problems in sermon construction and points of psychological contact between the preacher and his congregation. The class work will involve a critical analysis of selected sermons, with written reports. T.Th.S. at 9:40. **3 s.h.** PROFESSOR MYERS

343. Homiletical Argumentation.—A study of reasoning processes employed in the composition of sermons. Principles of argumentation inductively derived. M.W.F. at 10:40. **3 s.h.** PROFESSOR HICKMAN

344. Psychology of Preaching.—A psychological study of the preaching motive, the relation of the preacher to his congregation, and the relation of the preacher to society in general. M.W.F. at 10:40. **3 s.h.** PROFESSOR HICKMAN

345. City Church Administration.—A survey of the duties, relationships, and opportunities of the pastorate in the modern urban community; church management and organization; ecclesiastical procedure and law; projects in local churches. M.W.F. at 12:10. **3 s.h.**

[Not offered in 1934-1935]

PROFESSOR STANBURY

346. Public Worship.—Problems of the Church's inner and corporate life; a study of the aims, spirit, and conduct of public worship; projects in the constructive criticism of worship. M.W.F. at 12:10. **3 s.h.**

[Not offered in 1934-1935]

PROFESSOR STANBURY

348. Church Music and Religious Art.—A study of the use of music and art in public worship. M.W.F. at 12:10. **3 s.h.** MR. BARNES

353-354. Practicum on Rural Church Work.—In this course an attempt will be made to develop ministerial efficiency by conserving the educational values of actual experiences of ministerial students in rural churches. Th. at 2:00. **2 s.h.** PROFESSOR ORMOND

RELIGIOUS EDUCATION

261. An Educational Approach to Religion.—A study in the educational theory of religion, including a discussion of the social, psychological, and theological aspects of moral and religious growth. T.Th.S. at 12:10. **3 s.h.** PROFESSOR SMITH

262. Organization of Religious Education.—The development of a system of organization and administration based upon constructive educational theory, and embracing week-day as well as Sunday agencies of religious education. T.Th.S. at 12:10. **3 s.h.** PROFESSOR SPENCE

263. Curriculum of Religious Education.—Educational conceptions of the curriculum; values and uses of current curricula; principles and technics of curriculum construction. M.W.F. at 9:40. **3 s.h.** PROFESSOR SPENCE

264. Technic of Teaching Religion.—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. M.W.F. at 9:40. **3 s.h.** PROFESSOR SPENCE

265. Religious Drama.—A study of the uses and underlying principles of religious drama, followed by a critical examination of selected dramatic productions. T.Th.S. at 12:10. **3 s.h.** PROFESSOR SPENCE

266. Educational Aspects of Worship.—A study of worship in its bearing upon the educational function of the Christian religion. Students admitted on consultation. T.Th.S. at 12:10. **3 s.h.** PROFESSOR SMITH

362. Religious Education in Social Reconstruction.—Following the consideration of religious education as a social process, one or more major social issues in contemporary civilization will be critically examined from the standpoint of education's contribution toward social reconstruction. Prerequisite, three semester-hours in sociology and Religious Education 261, or its equivalent. T.Th. at 3:30-4:45. **3 s.h.** PROFESSOR SMITH
[Not offered in 1934-1935]

363-364. Religious Education and American Civilization.—A survey of the origin and growth of cultural values in the rise of American civilization, with a concomitant investigation of the educational processes of church and state in the shaping of moral and religious personality. Prerequisite, Religious Education 261, or its equivalent. M.W.F. at 9:40. **6 s.h.** PROFESSOR SMITH

365. Seminar in Character Education and the State.—A study of the state as character educator, involving a critical examination of the ethical philosophy of the secular state, and of the modern theories and practices of character education. Prerequisite, Religious Education 261, or its equivalent. Hours to be arranged. **2 s.h.** PROFESSOR SMITH

366. Seminar in Philosophy of Religious Education.—A critical study of the basic concepts and theories underlying religious education. Prerequisite, Religious Education 261, or its equivalent. Hours to be arranged. **2 s.h.** PROFESSOR SMITH

381-382. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the department of religious education. Hours to be arranged. **4 s.h.** PROFESSOR SMITH

PSYCHOLOGY OF RELIGION

275. Introduction to the Psychology of Religion.—Study of the major factors of religious experience, together with conditions bearing upon its genesis and growth. T.Th.S. at 8:40. **3 s.h.** PROFESSOR HICKMAN

276. Advanced Psychology of Religion.—Psychological study of such problems as worship, prayer, and various types of belief. Some attention to special problems. Prerequisite, Psychology of Religion 275, or its equivalent. T.Th.S. at 8:40. **3 s.h.** PROFESSOR HICKMAN

371. The Genetic Psychology of Religion.—Principles of genetic psychology as they relate to the growth of religious experience. Prerequisite, Psychology of Religion 275, or its equivalent. M.W.F. at 10:40. **3 s.h.** PROFESSOR HICKMAN

[Not offered in 1934-1935]

372. Mysticism in Religion.—Study of historical development of mystical phases of Christianity. Effort to determine abiding worth of mystical tendencies in religious experience. Prerequisite, Psychology of Religion 275, or its equivalent. M.W.F. at 10:40. **3 s.h.** PROFESSOR HICKMAN

[Not offered in 1934-1935]

373. Pastoral Psychology.—Study of basic psychological and psychiatric principles pertaining to the understanding and care of cases necessarily dealt with in pastoral work. Hours to be arranged. **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

377-378. Seminar: Theories of Self.—Bearing of psychological theories of self upon religious theory. For advanced students in philosophy, psychology, or psychology of religion. Hours to be arranged. **4 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

***201. Social Psychology.**—Lectures, readings, and reports. (Open to students in School of Religion on consent of instructor.) T.Th. at 9:40. **2 s.h.** PROFESSOR McDUGALL

***218. Abnormal Psychology.**—Lectures, readings, and demonstrations. (Open to students in School of Religion on consent of instructor.) M.W.F. at 10:40. **3 s.h.** ASSOCIATE PROFESSOR LUNDHOLM

***219-220. History of Psychology.**—Lectures and prescribed readings. A survey of the development of thought on the major problems of psychology from the earliest time to the present day. (Open to students in School of Religion on consent of instructor.) **2 s.h.**

PROFESSOR McDUGALL

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

HISTORY OF RELIGION AND MISSIONS

281. The Nature and Early Development of Religion.—Introduction to the early history of religion, the beliefs and practices of the more primitive peoples, and the religious life of the ancient world. T.Th.S. at 10:40. **3 s.h.**
PROFESSOR CANNON

282. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Moham-
medanism, and Christianity, the object being to trace the historical de-
velopment of each religion. T.Th.S. at 10:40. **3 s.h.**
PROFESSOR CANNON

283. Expansion of Christianity.—Apostolic missions, conquest of the Roman Empire, winning of northern Europe, the modern missionary era, status of missionary work in important areas, social aspects of missions, missionary biography. T.Th.S. at 9:40. **3 s.h.**
PROFESSOR CANNON

284. Principles of Missions.—The great missionary agencies, their foundation and growth; creation and cultivation of the missionary spirit at the home base; training and work of the pastor; principles and practice of missionary education; organization of the local congregation for its missionary tasks. T.Th.S. at 9:40. **3 s.h.**
PROFESSOR CANNON
[Not offered in 1934-1935]

285. The Religions of Eastern Asia.—A study of the religious systems of China, Korea, and Japan. T.Th.S. at 10:40. **3 s.h.**
PROFESSOR CANNON
[Not offered in 1934-1935]

286. The Religions of India.—A study of present day religious move-
ments in India, with special reference to Hinduism. T.Th.S. at 10:40.
3 s.h.
PROFESSOR CANNON
[Not offered in 1934-1935]

381. Ideas of God, Sin, and Salvation in the Religions of the World.—Pre-
requisite, History of Religion and Missions 281 or 282. M.W.F. at
9:40. **3 s.h.**
PROFESSOR CANNON

382. Ideas of the Future Life and Ethics in the Religions of the World.—
Prerequisite, History of Religion and Missions 281 or 282. M.W.F. at
9:40. **3 s.h.**
PROFESSOR CANNON

383. Buddhism.—India at the rise of Buddhism. Life of the Buddha and the teachings of early Buddhism. Development into the Hinayana and Mahayan schools, its spread and present condition in southern and eastern Asia. Prerequisite, History of Religion and Missions 282. M.W.F. at 9:40. **3 s.h.**
PROFESSOR CANNON
[Not offered in 1934-1935]

384. Mohammedanism.—The life of Mohammed and the religion of Islam, special attention being given to the Koran and its teaching. The aim is to interpret Mohammedanism as a force today. Prerequisite, History of Religion and Missions 282. M.W.F. at 9:40. **3 s.h.**

PROFESSOR CANNON

[Not offered in 1934-1935]

481-482. Seminar.—Problems of research in History of Religion and Missions. Open to advanced students on approval of the instructor. Prerequisite, six semester-hours in the department. Hours to be arranged. **4 s.h.**

PROFESSOR CANNON

PHILOSOPHY

203. The Philosophy of Conduct.—This course attempts a critical inquiry into the fundamental concepts and principles of human conduct. These are approached from the standpoint of nature, psychology, and philosophy. It analyzes the content of moral consciousness and seeks to find the laws that rule in the realm of virtue and finally to discover the ultimate nature of the right. T.Th.S. at 12:10. **3 s.h.**

PROFESSOR CRANFORD

204. Christian Ethics.—This course attempts a critical inquiry into the fundamental concepts and principles of conduct in the light of Christianity. It seeks to show the practical application of these concepts and principles in a doctrine of Christian virtue and duties. T.Th.S. at 12:10. **3 s.h.**

PROFESSOR CRANFORD

***209-210. The Philosophy of Religion.**—A critical consideration of the data of empirical religion and the constructive development of a modern philosophy of religion. T.Th. at 2:15-3:30. **6 s.h.**

PROFESSOR WIDGERY

223-224. Idealism.—A survey of idealistic systems of philosophy, with chief emphasis on the more recent developments in idealistic thinking. M.W.F. at 10:40. **6 s.h.**

PROFESSOR CRANFORD

SOCIOLOGY

***205. Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, feeble-mindedness, insanity, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. T.Th.S. at 8:40. **3 s.h.**

PROFESSOR JENSEN

***206. Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. Prerequisite, six semester-hours in undergraduate sociology or Sociology 301. T.Th.S. at 8:40. **3 s.h.**

PROFESSOR JENSEN

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

*212. **Child Welfare.**—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school; child labor; diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. Prerequisite, six semester-hours in undergraduate sociology or Sociology 301. M.W.F. at 8:40. 3 s.h. PROFESSOR JENSEN

217. **General Anthropology.**—A study of the origin and evolution of man as an animal and of the different races of mankind. The prehistoric human types, the principles of ethnology, and the characteristics of the Negro, Mongolian, American, and Caucasian races. M.W.F. at 10:40. 3 s.h. PROFESSOR ELLWOOD

218. **Cultural Anthropology.**—A study of social origins and of the earliest stages of cultural evolution; the stone and metal ages; the origins of industry, language, magic, religion, morals, science, art, and social organization in the family, horde, clan, and tribe. M.W.F. at 10:40. 3 s.h. PROFESSOR ELLWOOD

319. **Principles of Sociology.**—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. T.Th.S. at 9:40. 3 s.h. PROFESSOR ELLWOOD

320. **History of Social Philosophy.**—Lectures on the development of social thought from Aristotle to the present; the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Shaeffle, Lilienfeldt, Gumplowicz, Ratzehofer, and Ward, will, among others, be considered. T.Th.S. at 9:40. 3 s.h. PROFESSOR ELLWOOD

*301. **Sociology and Religion.**—The bearing of sociology upon religious problems and religious work. M.W.F. at 8:40. 3 s.h. PROFESSOR JENSEN

EXTENSION COURSE

General Purpose Seminar.—A seminar to meet certain needs in the intellectual life of the minister engaged in active service. Designed primarily to afford a visiting relation of ministers with the School of Religion. Not open for credit toward the degree of Bachelor of Divinity. *Hours to be arranged.*

PROFESSOR HICKMAN AND OTHERS

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

GENERAL INFORMATION

FEES

Tuition is remitted to students matriculated in the School of Religion, for which they are expected to render from time to time service which shall not interfere with their work in the School of Religion.

Each student is assessed per semester as follows :

Matriculation fee	\$25.00
Library fee	5.00
Athletic fee	5.00
Publication fee (optional)	2.50
Hospital fee	5.00
Damage fee	1.00

Each student is assessed in the last semester before a degree is conferred, a commencement fee of three dollars and a diploma fee of five dollars. The latter fee is refunded if the diploma is not awarded.

LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the treasurer of the University a penalty of five dollars.

ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is

canceled, and the University is free to rent the room to other students, unless a deposit of \$5.00 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Registrar of the School of Religion.

BOARDING HALLS

The University dining hall in the College Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. Board may be secured at the Union for \$23.80 per month of twenty-eight days. The College Union is the logical center of student activities, and all male students are advised to board in its supervised halls.

STUDENT AID

Scholarships are available for ministerial students, the terms of which may be ascertained by correspondence with the Registrar of the School of Religion. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

THE LIBRARY

The School of Religion has its own library, conveniently housed in the School of Religion building. This library which contains materials dealing with the subject of religion, already numbers nearly twenty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The library is being rapidly expanded. Two private libraries of note have been purchased, one of the late Dr. Graf von Baudissin, Professor of Old Testament at the University of Berlin, and the other of the late Dr. Karl Holl, Professor of Church History in the same university, and these have added valuable materials in these fields. One of the

outstanding possessions of the library, is a magnificent Greek manuscript of the XIII or XIV centuries containing the entire text of the New Testament.

Besides this special library, students of the School of Religion have the use of the main library of the University, the library of the School of Law, and the library of the School of Medicine. All these libraries are located near the School of Religion building.

RELIGIOUS LIFE

The students of the School of Religion are expected to attend the regular University chapel services which are held on Tuesday, Wednesday, and Friday of each week. A special chapel service for the School of Religion is held each Thursday morning.

In this, as in other features of the University life, the students of the School of Religion are urged to identify themselves with the life of the whole student group.

DATE OF REGISTRATION

Class work in the School of Religion for the academic session of 1934-1935 will begin Monday, September 24, 1934. The registration of students in the School of Religion will begin on Friday, September 21, 1934. Registration should be completed by Saturday, September 22, 1934.

ADDITIONAL INFORMATION

Requests for information not contained in this catalogue should be addressed to the Registrar of the School of Religion, Duke University, Durham, North Carolina.

JUNALUSKA SCHOOL OF RELIGION

ANNOUNCEMENT

The seventh session of the Junaluska School of Religion will be held at Lake Junaluska, North Carolina, from June 8 to July 19, 1934 in connection with the Junaluska Summer School, Inc. It will be conducted under the joint management of Duke University and the Board of Christian Education with the coöperation of the Board of Missions and other boards of the Methodist Episcopal Church, South.

The purpose is to conduct a Summer School of Religion to meet the growing demand for advanced study in the Bible, Theology, Religious Education, Missions, and allied subjects.

There will be two classes of students, those who are graduates of high schools and who may have had one or more years in college, and those who are graduates of colleges. The school is open to men and women. The credits secured for work done will be Duke University credits, and will count toward the A.B. and B.D. degrees.

The school is designed for pastors, church workers, missionaries, and students who desire to fit themselves better for their work or to add credits looking toward the securing of university degrees.

INSTRUCTORS

BENNETT HARVIE BRANSCOMB, A.B.,
M.A. (Oxon), Ph.D.,
Professor of New Testament,
DUKE UNIVERSITY.

ELMER TALMAGE CLARK, A.B., M.A., B.D., S.T.D., LL.D.,
Assistant Secretary, Board of Missions,
METHODIST EPISCOPAL CHURCH, SOUTH.

PAUL NEFF GARBER,
*Professor of Church History and Director of the Junaluska
School of Religion,*
DUKE UNIVERSITY.

HIRAM EARL MYERS, A.B., S.T.B., S.T.M.,
Professor of English Bible,
 DUKE UNIVERSITY.

HILRIE SHELTON SMITH, A.B., A.M., B.D., Ph.D.
Professor of Religious Education,
 DUKE UNIVERSITY.

COURSES

Courses will be offered meeting five times a week for eighty-minute periods. Each course, satisfactorily completed, will receive a credit of three semester-hours in Duke University. Two such courses may be taken by each student. The courses offered are divided into two groups. The first group consists of courses for college undergraduates who are graduates of high schools and who desire credits looking toward the A.B. degree. The second group consists of courses for college graduates who desire credits looking toward the B.D. degree. These courses may also be taken by college undergraduates who have completed the junior year and who are ranked as incoming seniors in college.

GROUP I

FOR COLLEGE UNDERGRADUATES

S51. The History of the Hebrew People.—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contribution to civilization. *Period B.* MR. MYERS

S181. Modern Christian World Problems.—A survey of recent developments in international affairs and their significance for Christian missions; especial attention will be given to problems involving interracial relations, industry, and the present international situation in the Orient. *Period A.* MR. CLARK

GROUP II

FOR COLLEGE GRADUATES (AND FOR COLLEGE SENIORS)

S218A. The Religious Ideas of the Apostle Paul.—A study of the thought of the Apostle, based particularly on the Epistles to the Galatians, the Corinthians, and the Romans. *Period D.* MR. BRANSCOMB

S211A. The Life and Teachings of Jesus.—A study of the activity and sayings of Jesus in light of the social and religious situation in Palestinian Judaism of the first century. An endeavor is made to understand the methods of objectives of Jesus' ministry and the content and significance of his teaching. *Period B.* MR. BRANSCOMB

S235. Great Men of the Christian Church.—A study of outstanding individuals who have influenced the thought and program of the Christian Church. The life, work and contributions of about twenty modern American Christian leaders. *Period B.* MR. GARBER

S242. Sermon Construction.—A study of problems in sermon construction and points of psychological contact between the preacher and his congregation. The class work will involve a critical analysis of selected sermons, with written reports. *Period A.* MR. MYERS

S269. Character Education and the State.—A study of the state as character educator, involving a critical examination of the ethical philosophy of the secular state, and of the modern theories and practices of character education. *Period A.* MR. SMITH

ADDITIONAL INFORMATION

A registration fee of \$20.00 and a library and recreation fee of \$2.00 is due at time of registration.

Students are of course responsible for their own arrangements for board and room. Those desiring to engage room and board in the Board of Education lodges should write W. E. Hogan, 810 Broadway, Nashville, Tennessee. Those desiring to room elsewhere should write to James Atkins, Jr., Lake Junaluska, North Carolina.

All the sessions of the school will be held in the Mission Building at Lake Junaluska.

Academic matters will be in charge of the faculty of the School of Religion, Elbert Russell, Dean.

Those desiring further information concerning courses and conditions of work should address J. Q. Schisler, Board of Christian Education, 810 Broadway, Nashville, Tennessee, or Paul N. Garber, Registrar, School of Religion, Duke University, Durham, North Carolina.

ROLL OF STUDENTS, SCHOOL OF RELIGION

SENIOR CLASS

Adkins, Alfred Carl A.B., Kentucky Wesleyan College, 1928	Louisville, Ky.
Akers, Lewis Robeson, Jr. A.B., Asbury College, 1929.	Greensboro, N. C.
Anderson, Wilber Kenneth A.B., Asbury College, 1931.	Winfield, Kansas
Asher, William Lee A.B., Randolph-Macon College, 1931.	Richmond, Va.
Barbee, Carl Webster B.S., Wake Forest College, 1927.	Bahama, N. C.
Blakemore, John Haywood A.B., University of Mississippi, 1931.	Bethesda, Md.
Boggs, Clyde Stewart A.B., Kentucky Wesleyan College, 1930.	Hazard, Ky.
Budd, Warren Candler A.B., Duke University, 1932.	Chipley, Fla.
Crook, William Estes B.S., Central Missouri State Teachers College, 1926.	Independence, Mo.
Dimmette, Joel Walter A.B., Duke University, 1928.	Winfall, N. C.
Dutton, William Clarke A.B., Emory and Henry College, 1923.	Monroe, N. C.
Grisham, Roy Arnold A.B., Millsaps College, 1928.	Horn Lake, Miss.
Groce, William Harold A.B., Duke University, 1930.	Saluda, N. C.
Harrison, Russell Sage A.B., Duke University, 1931.	Plymouth, N. C.
Hix, Clarence Eugene, Jr. A.B., Duke University, 1931.	Durham, N. C.
Howard, Fletcher Earl A.B., Duke University, 1932.	Durham, N. C.
Huffman, Esther Wright A.B., Duke University, 1930. A.M., Duke University, 1933.	Cambridge, Mass.
Joyce, Johnie Leroy A.B., Duke University, 1931.	Henderson, N. C.
Jackson, Fynes Berty A.B., Emory and Henry College, 1930. A.M., Duke University, 1933.	Imboden, Va.

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| Justus, John Henry
A.B., Wofford College, 1931. | Woodford, S. C. |
| Lanier, Walter Lee
A.B., Duke University, 1930. | Farmer, N. C. |
| Lec, John David, Jr.
A.B., Duke University, 1932. | Graham, N. C. |
| Lee, Lawrence Wolfe
A.B., High Point College, 1932. | Lawndale, N. C. |
| Lineberger, James Worth
A.B., Wofford College, 1929. | Stem, N. C. |
| Loftin, Floyd Fillmore
A.B., Duke University, 1932. | Durham, N. C. |
| Matheny, Rolla John
A.B., Marietta College, 1930. | Parkersburg, W. Va. |
| Mayo, Louis Allen
A.B., Duke University, 1928. | Greeneville, Miss. |
| McLarty, Emmett Kennedy, Jr.
A.B., Duke University, 1931. | Shelby, N. C. |
| Moyer, George Samuel
A.B., Susquehanna University, 1922.
Ph.D., University of Pennsylvania, 1926. | Freeburg, Pa. |
| Needham, Eugene Warren
A.B., Duke University, 1931 | Winston-Salem, N. C. |
| Newton, Pliny Foster
A.B., Asbury College, 1929. | Cambridge, Md. |
| Nicholson, Waller Staples
A.B., Guilford College, 1907. | Guilford College, N. C. |
| Pearce, Hubert Edward, Jr.
A.B., Hendrix College, 1930. | Clarendon, Ark. |
| Poe, John Robert
A.B., Duke University, 1932. | Durham, N. C. |
| Poole, Wiley Gordon
A.B., Wake Forest College, 1931. | Neuse, N. C. |
| Regan, James Robert
A.B., Duke University, 1928. | Durham, N. C. |
| Shewbert, John Edward, Jr.
A.B., McMurry College, 1931. | Abilene, Texas |
| Shinn, Fred Harris
A.B., Duke University, 1930. | Matthews, N. C. |
| Smith, Charles Moody
A.B., Duke University, 1930. | McAdenville, N. C. |
| Spell, Herbert Lee
A.B., Wofford College, 1931. | Smoaks, S. C. |
| Stokes, James Carlisle
A.B., Asbury College, 1931. | Seoul, Korea |
| Swackhamer, Thomas Cecil
A.B., Central College, 1931. | Ulrich, Mo. |

Tarver, David Franklin A.B., Centenary College, 1927.	Shreveport, La.
Tilley, Lester Archie A.B., Duke University, 1929.	Newton Grove, N. C.
Turner, Clarence Ambrose, Jr. A.B., William and Mary College, 1930.	South Boston, Va.
Tuttle, Robert Gregory A.B., Duke University, 1928.	Mt. Airy, N. C.
Twitchell, Herman Martell A.B., Millsaps College, 1931.	Clarksdale, Miss.
Vale, Charles Edward A.B., Duke University, 1931.	Youngsville, N. C.
Walston, Robert Edward A.B., Duke University, 1931.	Kitty Hawk, N. C.
Warren, Millard Whitfield A.B., Duke University, 1931.	Rougemont, N. C.
Washam, Conrad Cline A.B., Duke University, 1930.	Olin, N. C.
Weldon, Wilson Osbourne A.B., University of South Carolina, 1931.	Columbia, S. C.
Whitehead, Talton Johnson A.B., High Point College, 1930.	Greensboro, N. C.
Wiley, Edward Emerson A.B., Emory and Henry College, 1931.	Abingdon, Va.
Yountz, James Ernest A.B., Duke University, 1929.	Charlotte, N. C.

MIDDLE CLASS

Askew, Ralph Hinton A.B., Whitworth College, 1932.	Blowing Rock, N. C.
Baker, Clarence Eugene A.B., Wake Forest College, 1931.	Durham, N. C.
Barnett, Lee Page A.B., Emory and Henry College, 1929.	Liberty, N. C.
Boland, William Ray A.B., Southern College, 1931.	Winter Haven, Fla.
Carriger, Thomas Pinckney A.B., Duke University, 1932.	Morristown, Tenn.
Cook, Pierce Embree A.B., Wofford College, 1932.	Lamar, S. C.
Cook, Ray Abner A.B., Whittier College, 1932.	Whittier, Calif.
Cooley, William Frank A.B., Hendrix College, 1931.	Blytheville, Ark.
Council, Lowell Benjamin A.B., Lambuth College, 1932.	Union City, Tenn.

Crow, William Addison A.B., Southern College, 1932.	Tampa, Fla.
Dailey, John Calvin A.B., Duke University, 1932.	Durham, N. C.
Edens, Lacy Thomas A.B., Duke University, 1924.	Hillsboro, N. C.
Ervin, Everest LaMont A.B., Duke University, 1929.	Paw Creek, N. C.
Hardwick, Olen Leon A.B., Wofford College, 1932.	Aynor, S. C.
Huss, Hoskie Otho A.B., Duke University, 1933.	Durham, N. C.
Hutson, Harold Horton A.B., Wofford College, 1932.	Heath Springs, S. C.
Jordan, Howard Roy B.S., The Citadel, 1930.	Callison, S. C.
Kelley, Byron Elmo A.B., Morris Harvey College, 1932.	Harriston, Va.
Montgomery, Danny Hugh A.B., Wofford College, 1932.	Blythewood, S. C.
Nail, Lonnie Emerson A.B., Duke University, 1927.	Winston-Salem, N. C.
Peace, Clifford Hinshaw A.B., High Point College, 1932.	Trinity, N. C.
Robertson, James Louis A.B., Randolph-Macon College, 1932.	Craigsville, Va.
Sensintaffar, James Clair A.B., Centenary College, 1932.	DeRidder, La.
Spence, Floyd Vance A.B., University of North Carolina, 1928.	Kinston, N. C.
Standard, Forrest Lee A.B., Drury College, 1933.	Windsor, Mo.
Stokes, Mack Boyd A.B., Asbury College, 1932.	Seoul, Korea
Stowe, William McFerrin A.B., Hendrix College, 1932.	Winchester, Tenn.
Taylor, Raymond Herbert A.B., Wofford College, 1932.	Florence, S. C.
Topping, Marvin Woodrow A.B., Wofford College, 1932.	Jeffs, Va.
Tucker, Kenneth Irby A.B., Mississippi Delta State Teachers College, 1932.	Pace, Miss.

JUNIOR CLASS

Bennett, John Boyce A.B., Wofford College, 1933.	Fort Mill, S. C.
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- Bolch, Oscar Howard
A.B., Wake Forest College, 1933.
- Brendall, Earl Hall
A.B., Guilford College, 1933.
- Burns, Lacy Harvey
A.B., Morris-Harvey College, 1933.
- Cody, Ray Spencer
A.B., Catawba College, 1933.
- Cotton, Worth Bagley
A.B., Duke University, 1933.
- Creech, Harlan Longstreet
A.B., Lenoir-Rhyne College, 1933.
- Crossno, Ramsey Leon
A.B., Asbury College, 1933.
- Dixon, Paxton Theodore
B.S., North Carolina State College, 1924.
- DuBose, Clarence Franklin, Jr.
A.B., Wofford College, 1931.
- Dunn, Millard Charles
A.B., Duke University, 1928.
- Eaker, William Franklin
A.B., Duke University, 1933.
- Ellenberg, Vernon Frank
A.B., Wake Forest College, 1933.
- Ellenberg, John Vinson
A.B., Wake Forest College, 1933.
- Eubank, Graham Stanford
A.B., Wofford College, 1933.
- Furr, Lester Seymour
A.B., High Point College, 1933.
- Haley, Carl Wrenn
A.B., Emory and Henry College, 1933.
- Hartz, Edwin Roben
A.B., Central Missouri State Teachers College, 1933.
- Huneycutt, Wiley Jackson
B.S., Davidson College, 1932.
- Huss, Lily Mae
A.B., Duke University, 1932.
- Jackson, James Fauntleroy
A.B., Mercer University, 1933.
- Jones, Hurlan Eura
A.B., High Point College, 1929.
- Keeler, Waldo Forrest
A.B., Marion College, 1932.
- Keeler, Willie Edna
A.B., Marion College, 1933.
- Gastonia, N. C.
- Greensboro, N. C.
- Dawson, W. Va.
- Albemarle, N. C.
- Sanford, N. C.
- Hickory, N. C.
- Bells, Tenn.
- Cedar Falls, N. C.
- Nichols, S. C.
- Charlotte, N. C.
- Lawndale, N. C.
- Hillsboro, N. C.
- Durham, N. C.
- Maysville, N. C.
- New London, N. C.
- Covington, Va.
- Puxico, Mo.
- Coleridge, N. C.
- Durham, N. C.
- Swainsboro, Ga.
- Weaverville, N. C.
- Asheville, N. C.
- Asheville, N. C.

Kesler, Archie Dean A.B., Duke University, 1933.	Roanoke, Va.
Kolbe, Henry Eugene A.B., Duke University, 1933.	Durham, N. C.
LaFevers, Horatio Luster A.B., Duke University, 1933.	Glen Alpine, N. C.
Lyerly, Arnold Alexander A.B., Duke University, 1933.	Durham, N. C.
McLamb, Howard McKinnon A.B., Duke University, 1933.	Clinton, N. C.
Phillips, James Henry A.B., Duke University, 1933.	Charlotte, N. C.
Randall, Eugene Boyd A.B., Emory and Henry College, 1933.	Maryville, Tenn.
Smith, Hampden Harrison, Jr. B.S., Randolph-Macon College, 1930.	Ashland, Va.
Spears, Robert Wright A.B., Wofford College, 1933.	Clio, S. C.
Starling, Richard James A.B., Duke University, 1933.	Goldsboro, N. C.
Stowe, John Joel, Jr. Ph.B., Emory University, 1929. A.M., Peabody College, 1930.	Winchester, Tenn.
Taylor, Ralph Henderson A.B., Duke University, 1933.	Charlotte, N. C.
*Tilley, Charles Johnson, Jr. A.B., Duke University, 1934.	Durham, N. C.
Weathers, Elmer Dewey A.B., Duke University, 1933.	Franklinton, N. C.

SPECIAL STUDENTS

Foster, William Omer A.B., Transylvania College, 1910 B.D., Yale University, 1923. A.M., Columbia University, 1924.	Durham, N. C.
Swackhamer, Elizabeth Gray A.B., Scarritt College, 1932.	Durham, N. C.

JUNALUSKA SCHOOL OF RELIGION GRADUATE STUDENTS

Adkins, Alfred Carl A.B., Kentucky Wesleyan College, 1928.	Louisville, Ky.
Blakemore, John Haywood A.B., University of Mississippi, 1931.	Bethesda, Md.
Budd, Warren Candler A.B., Duke University, 1932.	ChIPLEY, Fla.

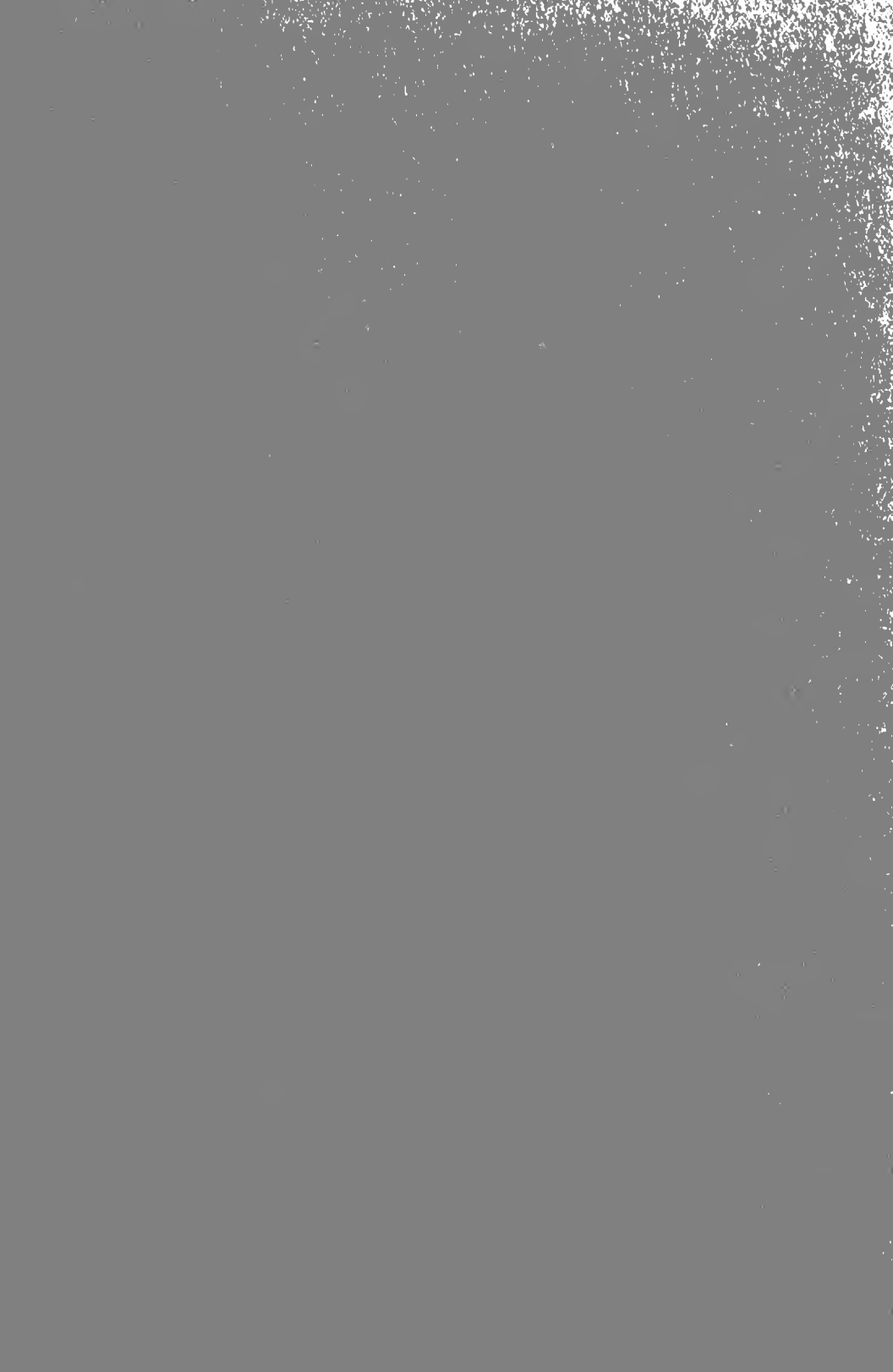
* The degree of Bachelor of Arts will be conferred in June, 1934.

Deckman, Alice Anna A.B., Temple University, 1911. A.M., University of Pennsylvania, 1913. Ph.D., University of Pennsylvania, 1920.	Philadelphia, Pa.
Edens, Lacy Thomas A.B., Duke University, 1924.	Hillsboro, N. C.
Jarrett, Thomas Roy Ph.B., Elon College, 1927.	Portsmouth, Va.
Kilgore, John Benjamin A.B., Newberry College, 1900. B.D., Vanderbilt University, 1908.	Van Wyck, S. C.
Lee, Lawrence Wolfe A.B., High Point College, 1932.	Lawndale, N. C.
Loftin, Floyd Fillmore A.B., Duke University, 1932.	Durham, N. C.
Tarver, David Franklin A.B., Centenary College, 1927.	Shreveport, La.
Warren, Millard Whitfield A.B., Duke University, 1931.	Rougemont, N. C.

UNDERGRADUATE STUDENTS

Baldwin, Mary Grace	Albemarle, N. C.
Barber, W. Arthur	Cornelius, N. C.
Charman, Rubyetta	Asheville, N. C.
Cox, Frances Mary	DeFuniak Springs, Fla.
Dean, Edwin Becton	Portsmouth, Va.
Dozier, Mary Estelle	Charlotte, N. C.
Earnhardt, Esther Roberts	Henderson, N. C.
Flemister, Launce Johnson	Atlanta, Ga.
Heidt, Leila Marie	Panama Canal Zone
Houck, George Fielder	Canton, N. C.
Jones, Almonte E.	Hendersonville, N. C.
Lance, Helen Earnhardt	Elon College, N. C.
Lewis, William Allen	Durham, N. C.
Markham, Lela Belle	Durham, N. C.
Myers, Horwood Prettyman, Jr.	Norfolk, Va.
Ormond, Janet	Durham, N. C.
Ormond, John Kern	Durham, N. C.
Potts, Mrs. Edgar Allan	Gainesville, Fla.
Smith, Thomas Walter	Rio de Janeiro, Brazil
Stith, Frank Albert, Jr.	Winston-Salem, N. C.







BULLETIN
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DUKE UNIVERSITY

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MAY, 1934

No. 5

DEPARTMENTS OF ENGINEERING
(Trinity College)



1933-1934
ANNOUNCEMENTS FOR 1934-1935

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ANNUAL CATALOGUES AND BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

For BULLETIN OF THE DEPARTMENTS OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF LAW, apply to *The Dean of the School of Law*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF MEDICINE, apply to *The Dean of the School of Medicine*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF NURSING, apply to *The Dean of the School of Nursing*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF RELIGION, apply to *The Registrar of the School of Religion*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SCHOOLS, apply to *The Director of the Summer Schools*, Duke University, Durham, N. C.

DUKE UNIVERSITY



DEPARTMENTS OF ENGINEERING
(Trinity College)

1933-1934

ANNOUNCEMENTS FOR 1934-1935

DURHAM, NORTH CAROLINA

1934

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UNIVERSITY CALENDAR

1934

- June 7. Thursday—Registration of students for Summer School, first term.
- June 8. Friday—Instruction begins for Summer School, first term.
- June 29. Friday—Instruction begins for Summer School, middle term.
- July 4. Wednesday—Independence Day—A holiday.
- July 18-19. Wednesday-Thursday—Final examinations for Summer School, first term.
- July 20. Friday—Registration of students for Summer School, second term.
- July 21. Saturday—Instruction begins for Summer School, third term.
- Aug. 30-31. Thursday-Friday—Final examinations for Summer School, third term.
- Sept. 13. Thursday, 9 A.M.—Dormitories open to freshmen.
- Sept. 13. Thursday, 8 P.M.—Assembly for all entering freshmen.
Freshman orientation program begins.
- Sept. 15. Saturday, 4 P.M.—First regular faculty meeting of the academic year.
- Sept. 17. Monday, 5 P.M.—First regular meeting of the Freshman Faculty.
- Sept. 18. Tuesday—Freshman instruction begins.
- Sept. 18. Tuesday—Registration and matriculation of new students with advanced standing.
- Sept. 19. Wednesday, 11 A.M.—Formal opening of college.
Registration of matriculated students.
- Sept. 20. Thursday—Instruction for sophomores, juniors, and seniors begins.
- Sept. 20. Thursday, 9 A.M. to 1 P.M., 2:30 P.M. to 4 P.M., Friday, 9 A.M. to 1 P.M., 2:30 P.M. to 5 P.M., Saturday, 9 A.M. to 1 P.M.—Registration of graduate students.
- Nov. 11. Sunday—Armistice Day.
- Nov. 29. Thursday—Thanksgiving day—A holiday.
- Dec. 11. Tuesday—Duke University Day—Not a holiday.
- Dec. 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

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|-------|-----|--|
| Jan. | 3. | Thursday, 8:20 A.M.—Instruction is resumed. |
| Jan. | 19. | Saturday—Mid-year examinations begin. |
| Jan. | 30. | Wednesday—Last day for matriculation for second semester. |
| Jan. | 31. | Thursday—Second semester begins. |
| Feb. | 22. | Friday—A holiday. |
| March | 27. | Wednesday, 1 P.M.—Spring vacation begins. |
| April | 3. | Wednesday, 8:20 A.M.—Instruction is resumed. |
| April | 15. | Monday—Last day for submitting orations for Wiley Gray Contest. |
| April | 30. | Tuesday—Last day for selection of courses for ensuing year. |
| May | 22. | Wednesday—Final examinations begin. |
| June | 2. | Sunday—President's address to graduating class. |
| June | 3. | Monday—Annual meeting of the Board of Trustees. |
| June | 3. | Monday—Annual meeting of the Alumni and Alumnae Councils. |
| June | 3. | Monday evening—Organ Recital. |
| June | 4. | Tuesday morning—Commencement sermon. |
| June | 4. | Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business meeting of the Alumnae Association. |
| June | 4. | Tuesday evening—Reception in honor of the graduating class. |
| June | 5. | Wednesday morning—Commencement address. |
| June | 5. | Wednesday afternoon—Graduating exercises. |
| June | 5. | Wednesday afternoon at sunset—Lowering of the Flag by the graduating class. |

ADMINISTRATIVE OFFICERS

- WILLIAM PRESTON FEW, A.B., A.M., Ph.D., LL.D., Litt.D.
President of the University Duke University West Campus
- ROBERT LEE FLOWERS, A.M., LL.D. Duke University West Campus
Secretary and Treasurer of the University
- WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.
Dean of the University Duke University West Campus
- WALTER KIRKLAND GREENE, A.B., A.M., Ph.D.
Dean of Undergraduate Instruction Duke University West Campus
- HERBERT JAMES HERRING, A.B., A.M. Ambassador Apartments
Assistant Dean of Trinity College
- *DEAN MOXLEY ARNOLD, B.S., A.M. West Campus
Assistant Dean of Trinity College
- ALAN KREBS MANCHESTER, A.B., A.M., Ph.D. West Campus
Assistant Dean of Trinity College
-

INSTRUCTIONAL STAFF

- HAROLD CRUSIUS BIRD, Ph.B., C.E. 1209 Virginia Ave.
Professor of Civil Engineering,
Head of Department of Civil and Mechanical Engineering
- *WILLIAM JAY DANA, B.S. in M.E., M.E.
Professor of Mechanical Engineering
- WILLIAM HOLLAND HALL, A.B., A.M., B.C.E., M.S.C.E.
Professor of Engineering Beverly Apartments
- SAMUEL RAYMOND SCHEALER, E.E., M.S. Hope Valley
Professor of Electrical Engineering
Head of Department of Electrical Engineering
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Professor of Electrical Engineering
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Associate Professor of Mechanical Engineering
- WILLIAM WHITFIELD LEWIS, B.S. in C.E. College Station
Instructor in Engineering
- RALPH THOMPSON MATTHEWS, B.S. in M.E. College Station
Instructor in Mechanical Engineering

* Deceased.

- WILLIAM WHITFIELD ELLIOTT, B.A., M.A., Ph.D.
Professor of Mathematics Faculty Club, East Campus
- DOUGLAS HILL, A.B., M.A., Ph.D. 507 Watts St.
Instructor in Chemistry
- CALVIN BRYCE HOOVER, A.B., Ph.D. Urban Ave.
Professor of Economics
- ARCHIBALD CURRIE JORDAN, A.B., A.M. Faculty Club, East Campus
Assistant Professor of English
- EDWARD R. C. MILES, B.S., M.A., Ph.D. Faculty Apartments, East Campus
Assistant Professor of Mathematics
- FRANK KIRBY MITCHELL, A.B., A.M. 1008 W. Trinity Ave.
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Instructor in Physics
- KARL BACHMAN PATTERSON, A.B., A.M. 1024 Monmouth Ave.
Assistant Professor of Mathematics
- JOHN HERMAN SHIELDS, A.B., A.M. Faculty Club, East Campus
Assistant Professor of Accounting
- ROBERT NORTH WILSON, A.B., M.S. 822 Third St.
Professor of Chemistry
- FRANCIS GEORGE DRESSEL, B.S., M.S. House O, 209 Kilgo Quadrangle
Instructor in Mathematics
 Assisted by members of general faculty, listed in General Bulletin.

ENGINEERING COURSES OFFERED

GENERAL STATEMENT

Duke University through the departments of engineering of Trinity College offers standard four-year courses in civil, electrical, and mechanical engineering. These departments occupy Asbury and Bivins Halls on the East Campus, apart from the Woman's College. The Asbury Building is a three-story brick building, dignified by the architecture of the Old South. Bivins Hall is a two-story brick building, adjacent to the Asbury Building. The James H. Southgate Memorial Building, completed in 1921, has been set aside for the housing of engineering students. The first floor contains social rooms, recitation rooms, gymnasium, dining room, and kitchen. The upper floors are used for dormitory purposes and have all conveniences. Meals are provided in this building at the same rate which prevails at the other University dining halls.

The entire curricula in civil, electrical, and mechanical engineering conform very closely to the standards set up by the Society for the Promotion of Engineering Education. The fundamentals of all engineering, such as English, mathematics, chemistry, physics, drawing, mechanics, strength of materials, and hydraulics are emphasized. About forty semester-hours are devoted to the major engineering group. The need for engineers to fill administrative positions is recognized by giving the student opportunity to elect subjects in the department of economics and business administration. The curriculum has been planned to prepare men for professional work in civil, electrical and mechanical engineering. The rigorous training of an engineering curriculum with proper courses in the department of business administration, affords an excellent preparation for business where men with the engineering type of training are required.

The members of the instructional staff were chosen particularly for their ability to teach. Instruction is given in small sections, insuring personal attention. The laboratory is used to supplement the class-room, and at present the same instructor

carries his class through both the class-room and laboratory work. This is made possible only where the classes are limited in size.

Engineering students are in every sense a part of the student body of Duke University, enjoying the general advantages of the University and being subject to the general rules and regulations.

Two national engineering societies, American Society of Civil Engineers and the American Institute of Electrical Engineers, are represented by student chapters operating under national charters. The organization of a student chapter of the American Society of Mechanical Engineers is contemplated. An honorary engineering fraternity, Delta Epsilon Sigma, was organized several years ago for the purpose of stimulating good scholarship among the engineering students. All four of these organizations afford unusual opportunities for the members to present papers and conduct discussions of certain phases of engineering not covered in the class-room.

Selection of engineering students will be made on the basis of character, high-school record, and results of placement tests held during Freshman Week. Candidates for the engineering courses should review *their mathematics* before taking these tests.

EQUIPMENT

The Civil Engineering Laboratories, located in Asbury and Bivins Halls, contain a large sized Begg's Deformeter for the solution of indeterminate structures, various types of slide rules, and electric calculating machines. For surveying, there are eleven transits, sixteen levels, three plane table outfits, solar attachments, sextants, compasses, barometers, and other light equipment, as well as one precise theodolite, and one precise level. In the sanitary laboratory there is complete equipment for performing the physical, chemical, bacteriological, and microscopic tests as outlined by the American Public Health Association. The highway laboratory contains an abrasion machine, an impact machine, a diamond core drill, and diamond saw and grinding lap, as well as complete equipment for the testing of bituminous materials; such as, extractors, ductility machine, penetrometer, flash point and melting point apparatus, viscosimeters, float test apparatus, Hubbard's stability machine

and other light equipment. There is available complete equipment for the testing of cement and aggregates; such as, automatic shot testing machine, flow-table, Ro-Tap sieve shaker, and other necessary supplies. For the testing of steel, wood, and concrete there is a fifty-thousand-pound universal testing machine with extensometers, shearing tools, transverse indicators, strain gages, and other attachments, and also a two-hundred-thousand-pound hydraulic press. Stream gaging is carried on by means of Price and Ott current meters. Practically all of the above equipment has been purchased since 1927.

Three well-lighted Drawing Rooms with 3,900 square feet of floor space and equipped with up-to-date furniture, models, universal drafting machines, planimeters, etc., are located in the Asbury Building.

The Electrical Engineering Machinery Laboratory, located in the basement of Asbury Building, receives its electric power from the Duke Power Company over a 2300 volt, 60 cycle, three-phase line. The laboratory equipment includes a $17\frac{1}{2}$ K.W., A.C. to D.C. motor-generator set for supplying the laboratory with direct current, four direct connected D.C. to D.C. motor-generator sets, two D.C. to A.C. belted sets, a G.E. sine wave motor-generator set, a Westinghouse phase displacement dynamometer, a General Electric type A.C.D.C. synchronous converter, for one-, two-, three-, or six-phase operation, a self-starting, single-phase battery charging converter, numerous single-phase constant potential transformers, a three-phase transformer, a constant current transformer equipped with a typical load of series street lamps, three-phase induction regulators, numerous loading devices both electrical and mechanical, and a number of miscellaneous D.C. and A.C. motors and generators. In addition the equipment includes a complete line of measuring instruments for general testing purposes and two oscillographs for viewing and photographing wave forms.

The High-Frequency Laboratory, also located in Asbury Building, is exceptionally well equipped and contains complete apparatus for carrying out all kinds of experiments at both audio and radio frequencies. The audio-frequency equipment includes a 200-mile open-wire artificial telephone line, a vacuum tube amplifier-milliammeter-voltmeter, vacuum-tube oscillators calibrated for frequencies ranging from 25 to 75,000 cycles per

second, a 1,000-cycle motor-generator, a direct reading frequency meter reading from 20 to 20,000 cycles per second; impedance bridges for both audio and intermediate frequencies; standards of resistance, inductance, and capacitance, filters; a high quality amplifier, power amplifiers, loud speakers, and other instruments for general test purposes. A complete Automatic Electric Co. automatic telephone exchange is included in this laboratory. The radio-frequency equipment consists of short wave and broadcast receivers, precision wave-meter, Shaw recorder, standard signal generator, thermocouples for current and voltage determinations, condensers, inductors, and meters. Radio Station W4AHY, consisting of a 75-watt, crystal-controlled transmitter is included in the equipment of this laboratory.

The Electrical Circuits Laboratory is equipped with all necessary apparatus and instruments for carrying out experiments on electric and magnetic circuits. This laboratory is used by the junior class in connection with course 151-152.

The Mechanical Engineering equipment, situated in Asbury Hall, Bivins Hall, and the Annex, includes a horizontal automatic self-oiling Troy steam engine, a vertical throttling governor Wachs steam engine, Terry steam turbine, flow of steam apparatus, Worthington reciprocating pump, steam injector, small double pipe condenser, electrically driven 12 x 10 Ingersoll-Rand air compressor properly piped with tanks and measuring instruments, small blower and test duct, model A Ford engine directly connected to a Sprague electric dynamometer, and a directly connected motor driven Allis-Chalmers centrifugal pump.

The testing instruments consist of two Maihak indicators, Brown electric flow meter, General Electric flow meters, steam calorimeters, American gauge tester, tachometers, prony brakes, and the necessary small equipment. Complete equipment is available for testing of coal. In the oil testing laboratory there is the customary equipment commonly used in undergraduate instruction. Other equipment consists of two fuel gas analyzers, Hays carbon dioxide recorder, water analysis equipment, and apparatus for calibrating thermometers. Adjacent to these buildings is a small foundry available for undergraduate instruction. Close coöperation of the two heating plants, ice

plants, and other university mechanical equipment affords exceptional opportunities for inspection and testing. All the mechanical equipment has been installed within the last three years.

The Engineering Departmental Library of approximately three thousand volumes of modern engineering texts, in addition to approximately five hundred bound volumes of periodicals, supplemented by the main University Library, offers ample opportunity for reference. With generous annual appropriations this library is rapidly expanding to provide for research requirements.

ADMISSION TO COLLEGE

GENERAL REGULATIONS

Admission to the Engineering Departments of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. A personal interview with each applicant is regarded as desirable. This is of advantage not only to the Council but also to the applicant, since it enables him to acquaint himself to some extent with the University and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer five dollars additional for the privilege of matriculation.

Since the enrollment in the undergraduate colleges is limited, an early application is desirable. Application blanks will be sent upon request, and they should be returned as soon as possible.

All correspondence relating to admission of men should be addressed to the Secretary of Duke University, Duke Station, Durham, N. C.

ADMISSION TO ENGINEERING COURSES

An applicant for admission to the freshman class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one-fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table :

UNITS	UNITS
English	4 Botany
Latin	4 Zoölogy
Greek	3 General Biology
German	3 Physical Geography
French	3 General Science
Spanish	3 Agriculture
Mathematics	4 Mechanical Drawing
History and Civics	4 Woodwork, Forging, and
Physics	1 Machine Work
Chemistry	1 Household Economics
	Commercial Subjects

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other Regional Associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the freshman class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one-half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
German or French or Latin	2 units
Physics or Chemistry	1 unit
History	1 unit
*Algebra	1½ or 2 units
Plane Geometry	1 unit

* Examination required to validate offering.

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

*Algebra (College Board "B")	.....	1/2 unit
Solid Geometry	.....	1/2 unit
*Trigonometry	.....	1/2 unit
†German or French or Latin or Spanish or Greek	.....	1 to 4 units
History or Civics (not the required unit)	.....	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	.....	1 to 2 units

Due to lack of uniformity in various states as to the subject matter covered by the various units in algebra and the consequent variation in the work done by freshmen in advanced algebra, it has become necessary to adopt the College Entrance Examination Board's definition of these units and to require each prospective student to take a placement examination in algebra during Freshman Week. Students who validate by examination one and one-half units (algebra through quadratics, binominal theorem and progressions) which are offered for admission or two units (algebra through quadratics, binominal theorem, progressions, simultaneous equations in three unknowns, graphs, exponents, and radicals, and logarithms) will be placed in Mathematics 9-10 (5 hours a week, each semester). Those who validate by examination only one unit of the offering in algebra (*i.e.*, to quadratics) will be placed in Mathematics 11-12 (6 hours a week, each semester). Those who do not validate by examination at least one unit of their offering in algebra will not be allowed to pursue a course in engineering. Certificates from the College Entrance Examination Board (431 W. 117th Street, New York) will be accepted in lieu of the placement examination. Prospective students may gain a general idea of the type of examination to be given here from old examinations of the College Board published by Ginn and Company, New York.

* Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: All applicants must have fulfilled the equivalent of the requirements for admission to the freshman class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester-hours of work approved for seniors, with an average grade of "C," is required of all candidates for the bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer five dollars additional for the privilege of matriculating.

FRESHMAN WEEK

The week immediately preceding the opening of college is set aside for the induction of freshmen. During this period health examinations, psychological tests, and placement tests are given, on the basis of which freshmen are sectioned in English, mathematics, and foreign languages. The freshmen are divided into groups for instruction in the use of the library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all freshmen.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the freshman class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of class work a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of bachelor of science in civil, electrical, or mechanical engineering are designed for students who are preparing for civil, electrical, or mechanical engineering, as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E.

Each of these degrees requires one hundred and thirty-eight semester-hours of work of which one hundred and twenty-two must be completed with an average grade of "C." Six semester-hours of electives must be taken in the departments of economics or political science and six semester-hours in religion. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students in engineering should note that immediately after the final freshman examinations in May or June they are required to attend a three-weeks' course in plane surveying given under the direction of the Summer School.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF
SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL
ENGINEERING

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Chemistry 1	4	Chemistry 2	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 2-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 55	4	Mathematics 100	4
Physics 5	5	Physics 6	5
Surveying 11	2	Mechanics 8	5
Highways 15	3	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		—
	17		17

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Curves and Earthwork 113	2	Curves and Earthwork 114	2
Structures 131	4	Structures 132	4
Highways 117	2	Materials 118	2
Engineering, Elective	3	Engineering, Elective	3
Elective	3	Elective	3
	18		18

Senior Year

Hydraulic Eng. 123	4	Hydraulic Eng. 124	4
Concrete 133	3	Concrete 134	3
Railroads 119	3	Railroads 120	2
Seminar 137	1	Astronomy 112	2
Electives	6	Seminar 138	1
	—	Electives	6
	17		18

GROUP II

ELECTRICAL ENGINEERING

Freshman Year

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Chemistry 1	4	Chemistry 2	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 4-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Physics 5	5	Physics 6	5
Mathematics 55	4	Mathematics 100	4
Steam Engineering 85	2	Mechanics 8	5
Mechanism 81	2	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		—
	16		17

Junior Year

Prin. of Elec. Eng. 151	4	Prin. of Elec. Eng. 152	4
Strength of Materials 107	4	Hydraulics 108	4
Differ. Equations 231	3	Elec. Measurements 102	3
Thermodynamics 187	3	Thermodynamics 188	3
M. E. Lab. 199	1	M. E. Lab. 200	1
Elective	3	Elective	3
	18		18

Senior Year

Adv. D. C. Mach. 155	3	Alt. Cur. Machinery 258	6
Adv. Alter. Currents 257	3	Elec. Power Stations 158	3
Elec. Power Transmission 159	3	High Freq. Currents 262	3
High Freq. Currents 261	3	Electives	6
Electives	6		—
	18		18

GROUP III

MECHANICAL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Chemistry 1	4	Chemistry 1	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 4-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 55	4	Mathematics 100	4
Physics 5	5	Physics 6	5
Mechanism 81	2	Mechanics 8	5
Steam Engineering 85	2	Constructive Processes 80	1
Constructive Processes 79	1	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		—
	17		18

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Machine Design 183	3	Machine Design 184	3
Thermodynamics 187	3	Thermodynamics 188	3
M. E. Laboratory 189	2	M. E. Laboratory 190	2
Electrical Engineering 153	3	Electrical Engineering 154	3
Elective	3	Elective	3
	—		—
	18		18

Senior Year

Power Plants 191	3	Power Plants 192	3
M. E. Laboratory 193	2	M. E. Laboratory 194	2
Heating and Ventilation 195	3	Refrigeration 196	3
Inter. Combust. Engines 197	3	Aeronautics 198	3
Electives	6	Electives	6
	—		—
	17		17

COURSES OF INSTRUCTION

NOTE: Courses primarily for freshmen and sophomores are numbered from 1 to 99; those primarily for juniors and seniors from 100 to 199; those primarily for seniors and graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

The designation (w) or (E) indicates that the course is to be given on the West Campus or on the East Campus. The designation (w & E) indicates that the course will be given on each campus.

Odd-numbered courses are offered in the fall semester and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.

DEPARTMENT OF CIVIL AND MECHANICAL ENGINEERING

ASBURY AND BIVINS BUILDINGS

PROFESSORS BIRD, HALL, AND WILBUR; MESSRS. MATHEWS AND LEWIS

DRAWING

1. Engineering Drawing.—Orthographic projection, lettering, pictorial representation, developments, intersections, use of universal drafting machine. **2 s.h.** (E) STAFF

2. Engineering Drawing.—For students in civil engineering and forestry. Methods of plotting, topographic symbols, simple structures in wood and steel. Prerequisite, course 1. **2 s.h.** (E) STAFF

4. Engineering Drawing.—For students in electrical and mechanical engineering. Elementary machine drawing. Prerequisite, course 1. **2 s.h.** (E) STAFF

5-6. Descriptive Geometry.—Problems relating to point, line, plane, and solid. Concurrent with courses 1 and 2-4. No credit given unless taken for two semesters. **2 s.h.** (E) STAFF

MECHANICS

8. Mechanics.—Concurrent forces, parallel forces, non-concurrent and non-parallel forces, centroids, friction, moment of inertia, translation, rotation, work, energy, and momentum. Prerequisite, course 1, Mathematics 55. **5 s.h.** (E) PROFESSOR BIRD AND MR. LEWIS

107. Strength of Materials.—Elastic bodies under stress; flexure of simple, overhanging, fixed, and continuous beams; columns; combined stresses; etc. Prerequisite, course 8. **4 s.h.** (E)

PROFESSOR BIRD AND MR. LEWIS

108. Hydraulics.—Hydrostatics; flow of water through orifices, weirs, pipes, and open channels; general principles of water wheels and turbines. Prerequisite, course 8. **4 s.h.** (E) PROFESSOR HALL

CIVIL ENGINEERING

10. Plane Surveying.—Use of instruments; transit, stadia, compass and plane table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes and departures; areas by planimeter; methods of plotting; survey and plot of sections of the campus by stadia, and transit and tape. Eight hours a day, three weeks, Summer School. Prerequisite, course 1, Trigonometry. **3 s.h.** (E)

For fee of this course, see bulletin of the Summer School.

PROFESSORS BIRD AND HALL, AND MR. LEWIS

11. Higher Surveying.—Care and adjustment of instruments; topographical surveying; surveys and resurveys; division of land; Public Land system; further calculations, omitted measurements, areas by double longitude; quantities from profiles and cross sections. Prerequisite, course 10. **2 s.h.** (E) PROFESSOR HALL

110. Plane Surveying.—Similar to course 10 but especially arranged for students in forestry. Eight hours a day, three weeks, Summer School. Prerequisite, Engineering Drawing and Trigonometry. **3 s.h.**

PROFESSORS BIRD AND HALL, AND MR. LEWIS

111. Higher Surveying.—For students in forestry. In addition to the ground covered in course 11, the field work includes a more thorough drill in the use of the Beaman stadia arc and the topographic abney level and trailer tape while more attention is given to the preparation of finished maps in the office work. Eight hours a day, three weeks, Summer School. Prerequisite, course 10 or 110. **3 s.h.**

PROFESSOR BIRD OR HALL

[Not offered in 1934-1935]

112. Field Astronomy.—Determination of latitude, longitude, time, and azimuth by observation on sun and stars; use of precise transit, solar attachment, and sextant. Prerequisite, course 11. **2 s.h.** (E)

PROFESSOR HALL

113-114. Curves and Earthwork.—Highways—Thorough drill in the calculating and laying out of simple, compound, and easement curves, widening of curves, vertical curves, setting slope stakes, ordinary earthwork computations, and mass diagrams. Prerequisite, course 10. **4 s.h.** (E)

PROFESSOR HALL

15. Highway Engineering.—Location, construction, and maintenance of roads and pavements; dust prevention; road economics. **3 s.h.** (E)

PROFESSOR HALL

117. Highway Engineering.—Standard tests of stone, gravel, and bituminous materials. Prerequisite, course 15. **2 s.h.** (E)

PROFESSOR HALL

118. Materials of Engineering.—Study and testing of materials other than those taken up in course 117. **2 s.h.** (E)

MR. LEWIS

119-120. Railroad Engineering.—Differences between highway and railway practice affecting curves and earthwork. A. R. E. A. transition curve, frogs, switches, and crossings. Preliminary and location survey of a railway of sufficient length to secure familiarity with methods of actual practice. Paper location made with estimate of cost. Construction and maintenance of track and trackwork, economics, and operating conditions affecting location. Prerequisite, course 113-114. **5 s.h.** (E)

PROFESSOR BIRD

123-124. Hydraulic Engineering.—

(a) Hydrology—Factors affecting precipitation, evaporation from land and water surfaces; relation of precipitation to run-off; estimating run-off; floods and flood flows. Stream gauging.

(b) Public Water Supply—Quantity and quality of water required, hydraulics of wells, reservoirs, works for purification and distribution of water. Standard laboratory tests for the chemical and bacteriological examination of water.

(c) Sewerage—Sewerage systems, storm water flow, sizes of storm and sanitary sewers, sewage disposal. Standard laboratory tests of sewage. Prerequisite, course 108. **8 s.h.** (E)

PROFESSOR HALL

131. Steel Structures—Stresses.—Roofs, parallel chord bridges under all types of loads, inclined top chord bridges, including sub-divided panels, wind bracing. Prerequisite, course 8. **4 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years.]

132. Steel Structures—Design.—Built beams, plate girders, tension members, compression members, tension and compression members, end posts, stringers, floor beams, pins, plates, etc. Drafting. Prerequisites, courses 107, 131. **4 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years.]

133. Reinforced Concrete.—Theory and design of reinforced concrete beams, slabs, columns. Prerequisite, course 107. **3 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years. Not offered in 1934-1935.]

134. Masonry Structures.—Ordinary foundations, dams, retaining walls, arches, piers, abutments. Prerequisites, courses 107, 133. **3 s.h.** (E)

PROFESSOR BIRD

[Offered in alternate years. Not offered in 1934-1935.]

137-138. Seminar.—Students are required to make reports and to talk on current engineering literature or on such other topics as may be assigned. **2 s.h.** (E)

PROFESSORS BIRD AND HALL

[Offered in alternate years. Not offered in 1934-1935.]

142. Engineering Geology.—An elementary course particularly arranged for civil engineering students. **3 s.h.**

MR. LEWIS

240. Indeterminate Structures.—Introductory course dealing with the application of theory of least work, deflection, and rotation to indeterminate stresses. Problems are solved analytically, graphically, and by deformer. Prerequisite, course 131 and ability to read French or German. **3 s.h.** (E)

PROFESSOR BIRD

143-144. Projects in Civil Engineering.—This course may be assigned by the head of the department to certain seniors who have shown an aptitude for research in one distinct field of civil engineering, in which case it may be substituted for certain general civil engineering courses. **3 s.h.** Either semester.

PROFESSORS BIRD AND HALL

MECHANICAL ENGINEERING

79-80. Constructive Processes.—Recitation course covering general processes in foundry, forge, and machine shop. Trips to neighboring shops are made. Prerequisite, 4. Open only to mechanical engineering students. **2 s.h.** (E)

PROFESSOR WILBUR AND MR. MATHEWS

81. Mechanism.—Displacement, velocity, and acceleration diagrams. Particular attention is given to gearing, cams, trains of mechanisms, belts, and link work. Prerequisite, 4. **2 s.h.** (E)

PROFESSOR WILBUR

85. Steam Engineering.—Elementary principles of boilers, engines, turbines, and auxiliaries; properties of steam, fuels, and combustion. **2 s.h.** (E)

MR. MATHEWS

183-184. Machine Design.—Friction, lubrication, bearings, shafts, springs, pressure vessels, fastenings, gears, belting, friction clutches, and fly-wheels. Application of the above to proportioning parts of several complete machines. Prerequisites, 8, 81, 107 (or concurrent). **6 s.h.** (E)

PROFESSOR WILBUR

187-188. Engineering Thermodynamics.—Properties and thermodynamics processes of gases and vapors; cycles; efficiencies and performances of heat engines. Prerequisite, 85, Math. 100. **6 s.h.** (E)

PROFESSOR WILBUR AND MR. MATHEWS

189-190. Junior Mechanical Engineering Laboratory.—Open only to mechanical engineering students. Use of steam and fuel calorimeters; gas analysis; oil testing; measurement of steam and air flow; tests on steam, oil, and internal combustion engines and boilers. (Concurrent with 187-188). **4 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

199-200. Junior Mechanical Engineering Laboratory.—Open only to civil and electrical engineering students who have elected courses 187-188. Use of steam and fuel calorimeters; gas analysis; measurement of steam and air flow; tests on steam engines and turbines, boilers and internal combustion engines. **2 s.h.** (E)

PROFESSOR WILBUR AND MR. MATHEWS

191. Power Plants.—Factors which determine the location and type of power plant including heat balance and economics, boilers, feed water treatment, prime movers, condensers, auxiliaries, and accessories. Prerequisites, Math. 100, and courses 188 and 190. **3 s.h.**

MR. MATHEWS

192. Power Plant Calculation.—Selection and combination of units, reports on piping and layout of equipment from plant inspection trips. Prerequisite, course 191. **3 s.h.**

PROFESSOR WILBUR

193-194. Senior Mechanical Engineering Laboratory.—Economy and efficiency tests of steam engines, turbines, boilers, power plant auxiliaries, fans, internal combustion engines, and heating and refrigerating systems according to the A. S. M. E. Power Test Codes. Heat balance and heat transfer tests. Prerequisite, course 191 concurrently. **4 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

195. Heating and Ventilating.—Heat losses from buildings; design of hot air, hot water, and steam heating systems; humidifying, air conditioning, and ventilation in homes, offices, and factory buildings. **3 s.h.**

PROFESSOR BIRD

196. Refrigeration.—Heat transfer and heat insulation; cooling and refrigerating systems applied to ice manufacturing and cold storage; dry ice and other refrigerants considered. Prerequisites, courses 188 and 190 or 200. **3 s.h.**

MR. MATHEWS

197. Internal Combustion Engines.—Otto and Diesel engine cycles as applied to the usual types of internal combustion engines using gaseous or liquid fuels. Analytical and graphical methods applied to fluctuations of energy, balancing of rotating parts, and regulation by governors. Prerequisites, courses 188 and 190 or 200. **3 s.h.**

PROFESSOR WILBUR

198. Aeronautics.—Airfoils, parasite resistance, propellers, the complete airplane, stability, performance, dynamic loads, and equipment. Prerequisite, course 184. **3 s.h.**

MR. MATHEWS

ELECTRICAL ENGINEERING

ASBURY BUILDING

PROFESSORS SCHEALER AND SEELEY

151-152. Principles of Electrical Engineering.—An elementary course consisting of lectures, recitations and laboratory covering direct and alternating currents and the fundamental principles of direct and alternating current machinery. This course serves as a general introductory course for electrical engineering students. One three-hour period in the laboratory per week is included in this course. Prerequisites, Physics 61-62, Mathematics 55, 100, and 231 (taken concurrently). **8 s.h. (E)**

PROFESSOR SEELEY

153-154. Principles of Electrical Engineering.—An elementary course consisting of lectures, recitations, and laboratory covering the principles of direct and alternating current machinery, and their applications, designed especially for students in civil and mechanical engineering. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisite, Physics 61-62. **6 s.h. (E)**

PROFESSOR SCHEALER

155. Principles of Electrical Engineering: Advanced Direct-Current Machinery.—A study of the principles which underlie the design and operation of all types of direct current machinery. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisites, courses 151-152, Mathematics 55, 100. **3 s.h. (E)**

PROFESSOR SCHEALER

156. Electric Railways.—A course of lectures and recitations relating to the construction, operation, and equipment of different types of electric railways. Elective. Prerequisites, courses 151-152, 155. **3 s.h. (E)**

PROFESSOR SCHEALER

158. Electric-Power Stations.—A course of lectures and recitations pertaining to the design, construction, and operation of electric power stations, both steam and hydraulic. Consideration of prime movers; generating machinery; switchboards; instruments, relays, and protective devices; operation and management; visits to neighboring plants. Prerequisites, courses 151-152, 187-188. **3 s.h. (E)**

PROFESSOR SCHEALER

159. Electric-Power Transmission.—A course of lectures and recitations on the factors involved in the transmission of electrical energy over long distances and the use of hyperbolic functions in the solution of trans-

mission line problem. Concurrent with course 257. Prerequisite, course 151-152. **3 s.h.** (E)

PROFESSOR SEELEY

257. Principles of Electrical Engineering: Advanced Alternating Currents.—The algebra of vectors and complex quantities used in electrical engineering. An advanced course in alternating currents and alternating current circuits. Prerequisites, course 151-152, Mathematics 55, 100, 231. **3 s.h.** (E)

PROFESSOR SCHEALER

258. Principles of Electrical Engineering: Advanced Alternating Current Machinery.—An advanced course consisting of lectures, recitations, and laboratory tests covering the principles underlying the construction and operation of alternating current machinery. A study of synchronous generators and motors, transformers, parallel operation of alternators, synchronous converters, polyphase induction motors, and single-phase induction, series, and repulsion motors. Prerequisite, course 257. **6 s.h.** (E)

PROFESSOR SCHEALER

261-262. High-Frequency Alternating Currents.—An advanced course on the principles of wire and wireless communication. A thorough study is made of the theory of coupled circuits, antenna radiation, wave propagation over metallic circuits, nature of speech and sound, vacuum tubes, vacuum-tube circuits, wire and wireless-telephone circuits. Prerequisite, Mathematics 231. **6 s.h.**

PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering, with an introduction to the use of operational calculus as applied to electrical circuits. Elective. Prerequisites, courses 151-152, Mathematics 231. **6 s.h.** (E)

PROFESSOR SEELEY

REQUIRED NON-ENGINEERING SUBJECTS

1-2. General Inorganic Chemistry.—Lectures, recitations, and laboratory work on the elementary principles of chemistry and on the occurrence, preparation, properties, and uses of the elements and their compounds. It is desirable, though not required, that students taking this course shall have taken elementary physics either in high school or in college. One lecture, two recitations, and three laboratory hours, throughout the year. **8 s.h.** (W & E) STAFF

1-2. English Composition.—All freshmen are required to take Course 1 and Course 2; however, those who earn a grade of "B" or more on the work of the first semester may in the spring substitute Course 4 for Course 2.

Students in Courses 1 and 2 who fail to earn an average grade of "C" on the work of both semesters and at least a grade of "C" on the

work of the spring term are required to do the work of English 53 during their sophomore year. Those who do not earn a grade of "D" during the first semester are required to repeat during the spring Course 1; if they earn a grade of "D" or more at the end of the spring semester, they receive credit for the first half-year of work, and during their sophomore year they are required to do the work of English 2. Students whose grades for both semesters fall below "D" must repeat the entire course during their second year. **6 s.h.**

ASSOCIATE PROFESSOR MITCHELL; ASSISTANT PROFESSORS PATTON
AND VANCE; MESSRS. GREGORY, WARD, SUGDEN, ANDERSON,
AND HOFFMAN; MRS. WHITE

53. English Composition.—A second course in composition for sophomores. **3 s.h.** *Repeated in the second semester.* (W & E)

ASSISTANT PROFESSOR JORDAN

9-10. Engineering Mathematics.—This course, given for engineering freshmen and other students who desire to take more than 6 hours mathematics in their freshman year, includes college algebra, plane trigonometry, and plane analytic geometry. **10 s.h.** (E)

ASSISTANT PROFESSOR PATTERSON

11-12. Engineering Mathematics.—This course is given for engineering freshmen who do not qualify to take mathematics 9-10. *See page 16.* **10 s.h.** (E)

ASSISTANT PROFESSOR PATTERSON

55. Differential Calculus.—*Each semester.* **4 s.h.** (W & E)

Prerequisite, course 9-10, or 11-12, or equivalent.

STAFF

100. Integral Calculus.—*Each semester.* **4 s.h.** (W & E)

Prerequisite, course 55.

STAFF

231. Differential Equations.—A study of the more common types of ordinary differential equations. Primarily a problem course for engineers. **3 s.h.** (W)

PROFESSOR ELLIOTT

Prerequisite, course 100.

5-6. Physics for Engineers.—A course in general physics which gives special emphasis to engineering problems. Open to sophomores who have completed trigonometry. Four hours recitation (E) and three hours laboratory. Old number 3-4. **10 s.h.** (E)

DR. MOUZON AND STAFF

102. Electrical Measurements.—This course is intended as a general elective for students in electrical engineering and physics. A fundamental course in electrical engineering or course 207 or course 53 is a prerequisite. One recitation and two three-hour laboratory periods per week. **1 to 3 s.h.** (W)

ASSISTANT PROFESSOR NIELSEN

Religion.—This requirement may be met by the selection of any two 3 semester-hours courses offered by the Department of Religion for fulfilling the requirement. Course 51-52 is given on the East Campus for the convenience of engineering students. See Undergraduate Catalogue for complete list of courses. **6 s.h.**

RECOMMENDED ELECTIVE SUBJECTS

51-52. Principles of Economics.—This course must be taken by all students planning to elect further courses in economics and business administration. Old number 1. **6 s.h.** (w & e)

PROFESSOR HOOVER, ASSISTANT PROFESSOR ROBERTS, DRs. NICHOL, HARVILL AND SMITH, MESSRS. KEECH, KOONTZ, AND WALLACE

57-58. First-Year Accounting.—Elementary principles of single proprietorship, partnership, and corporation accounting. Supervised laboratory periods will be assigned. Old number 7. **6 s.h.** (w)

ASSISTANT PROFESSOR SHIELDS, MESSRS. BLACK, KEECH, WHITMAN, GARNER, AND HARDIN

143-144. Corporation Finance and Investment.—Principles and problems in the financial organization of corporations; the study of corporate securities, the management of capital, and the distribution of earnings; industrial combinations; insolvency and reorganization; the accumulation of capital and investment in corporate and other types of securities; speculation in securities and the work of stock exchanges. Required of juniors in the Business Administration group. Prerequisite, course 51-52. **6 s.h.** (w)

DRs. RATCHFORD, SMITH, AND HARVILL

103. Transportation.—Essential features, problems and competitive positions of rail, highway, water, and air transportation. Special attention is devoted to valuation, rates, and regulation as applied to railway transportation. Collateral reading and the preparation of papers are required. *For juniors and seniors.* **3 s.h.** (w)

ASSISTANT PROFESSOR LONDON

105. Industrial Management and Business Forecasting.—A study of the organization and management of industry, with emphasis upon the business applications of the principles developed. Problems of interrelations of functions operating in the several fields of management, such as production control, personnel; the forecasting of business conditions. *For juniors.* **3 s.h.** (w)

ASSOCIATE PROFESSOR TROXELL AND MR. KOONTZ

181-182. Business Law.—The fundamental principles of law as applied to common business transactions. The topics presented are: contracts, agency, bailments, sales, negotiable instruments, partnership, corporations, and bankruptcy. Textbook: Bays, *Business Law*. Casebook: Bays, *Cases on Commercial Law*. Required of seniors in the Business Administration group. Old number 178. **6 s.h.** (w)

ASSISTANT PROFESSOR TOWE

151. Public Speaking.—A course in the fundamentals of public speaking with emphasis upon the effective presentation of ideas. **3 s.h.** (w)

MR. HERRING

101-102. American Government and Politics.—A study of the American political system, the subject matter of which includes the organization and functioning of national, state, and local governments in the United States. Open to sophomores by special permission. **6 s.h.** (w & e)

PROFESSORS WILSON AND RANKIN, AND MESSRS.
SIMPSON AND GIBSON

164. Railroad Regulation in the United States.—A study of powers, activities and the interrelationship of regulatory bodies, state and federal, as evidenced in legislation, administrative functioning and judicial interpretation. **3 s.h.** (w)

PROFESSOR WILSON

294. Municipal Government and Administration.—A study of the general problems related to the structural system and activities of municipalities in the United States. Special reference is made to the problems of municipal government in North Carolina. **3 s.h.** (w)

PROFESSOR RANKIN

Special permission of the instructors must be obtained before registering in courses 164 and 294.

152. Argumentation.—A course dealing with the principles of argumentation and debating with special emphasis upon brief-making and practice-speaking. Public questions are studied as parallel work. **3 s.h.** (w)

MR. HERRING

53. General Bacteriology.—Laboratory and lectures. **4 s.h.** (w)

PROFESSOR WOLF

101. Introduction to Psychology: General Principles.—Lectures, demonstrations, prescribed readings, and reports. **3 s.h.** (w)

PROFESSOR McDOUGALL

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester	\$ 25.00
Tuition, per semester	100.00
Room rent—See the detailed statement that follows.	
Athletic fee, admitting students to all athletic contests held on the University grounds, per semester	5.00
Damage fee, payable annually at the time of first registration ...	1.00
Medical fee, per semester	5.00
Library fee, per semester	5.00
Commencement fee, payable annually at the beginning of the second semester	3.00
Publication fee:	
First semester	2.50
Second semester	3.00
Diploma fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded	5.00
For further information concerning room rent, see below.	

LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 103, 154, 156, 202, 211, 212, 213, 214, 221, 223, 224, 254, and 256	\$2.50
Botany 51, 53, 151, 251, and 252	5.00
Botany 101, 102, 111, and 112	2.00
Botany 201	4.00
Chemistry 1, 2, 21, 30, 41, 261, 262, 215, 216, 231, 232, 240, and 260	7.00
Chemistry 151, 152, 241, 244, 253, 254, and 256	8.50
Education 54, 58, and 68	2.00
See note under history below.	
Education 208 (for testing materials in lieu of text)	2.50
Engineering	
Civil 10 and 110—See Summer School bulletin.	
Engineering (continued)	
Civil 11, 107, 111, 112, 113, 114, 117, 118, 119, 123, 124, and 240	2.00
Electrical 151, 152, 153, 154, 155, 258, 261, and 262	2.00
Mechanical 79, 189, 190, 193, 194, 199, and 200	2.50

Forestry 154	2.50
History 91 and 92	3.00
No texts are required in these courses, but a fee of three dollars is charged and books are placed in the library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
Physics, all courses	2.00
Zoölogy 1 and 2	3.50
Zoölogy 53, 151, 153, 156, and 321	5.00
Zoölogy, all other advanced laboratory courses	3.00

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room rent and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$543.50 to \$638.50.

The athletic and publication fees, also included in the above figures, while not essentially University fees, are at the request of the students collected by the Treasurer of the University as designated above. The proceeds of these fees are turned over to these distinct and separate student activities. The athletic fee entitling the holder to admission to all athletic contests held on the University grounds, is collected from all regularly enrolled students. The publication fee pays for a blanket subscription to the weekly student newspaper, the monthly student magazine, and the annual student year-book. With all undergraduates this charge is compulsory, but in the case of graduate students it is optional.

DORMITORIES

The regular fee for room rent in the Southgate Building, set aside for engineering students, is \$50.00 per semester (two in room).

Rooms in Epworth Hall, East Campus, are open to men students for a rental of \$30.00 per student, per semester.

For cost of rooms in other dormitories and the regulations about rooms, consult the Undergraduate Catalogue.

BOARDING ACCOMMODATIONS

It is the policy of the University to furnish board to its students at actual cost. Charges for board will not exceed \$25.00 per month.

LAWS REGULATING PAYMENTS

The Executive Committee of the Trustees of Duke University has enacted the following regulations, which govern the payment of all fees due the University :

1. The President and the Treasurer of the University have no authority to suspend, or in any way alter these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parent or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties if his bills are not paid on the dates advertised.

TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of one dollar is made for each additional copy.







BULLETIN
OF
DUKE UNIVERSITY

Vol. 6

MAY, 1934

No. 5

THE GRADUATE SCHOOL
OF ARTS AND SCIENCES



1933-1934

ANNOUNCEMENTS FOR 1934-1935

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ANNUAL CATALOGUES AND BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

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For BULLETIN OF THE SCHOOL OF RELIGION, apply to *The Registrar of the School of Religion*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SCHOOLS, apply to *The Director of the Summer Schools*, Duke University, Durham, N. C.

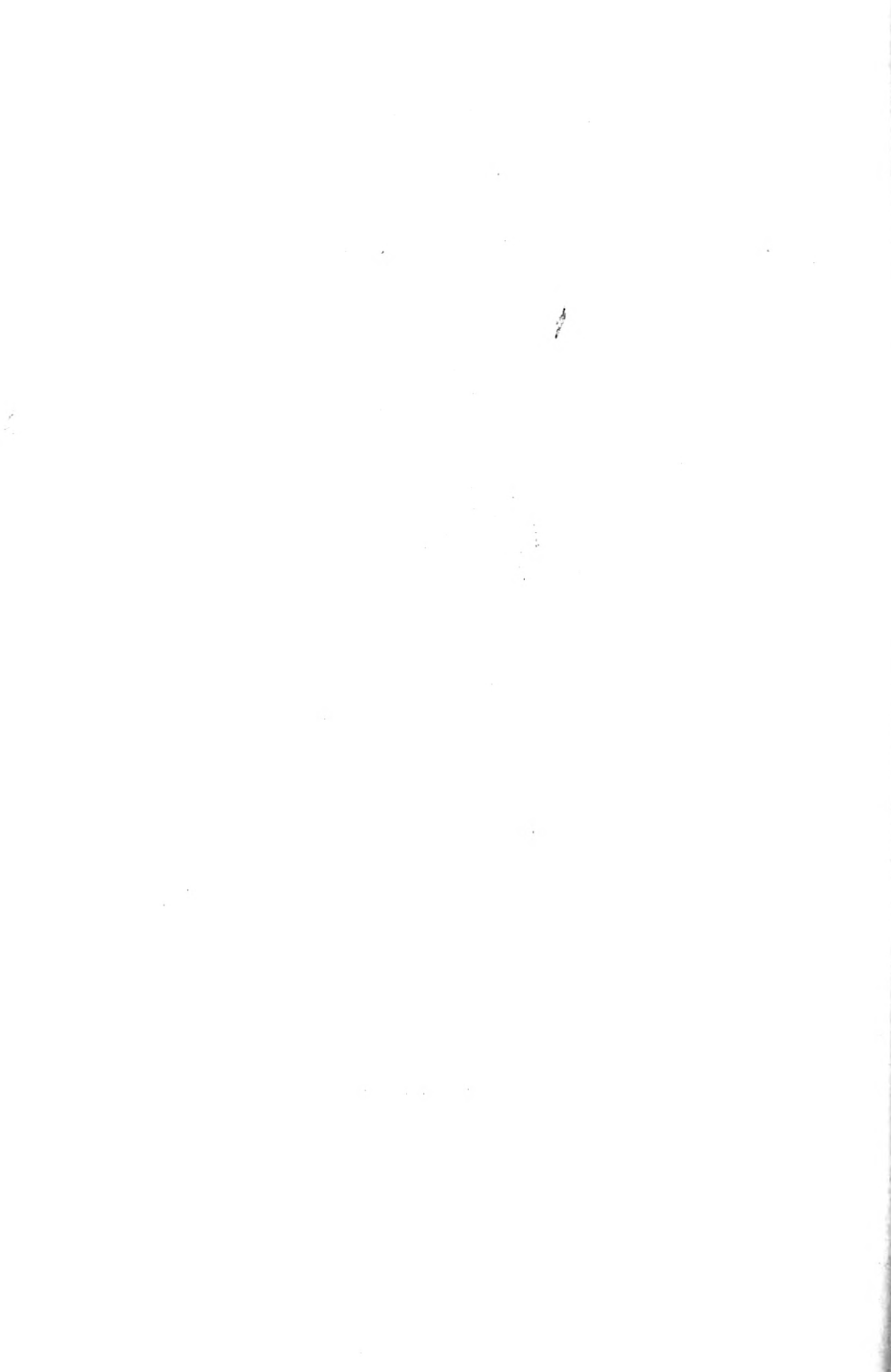
BULLETIN
OF
DUKE UNIVERSITY

THE GRADUATE SCHOOL
OF ARTS AND SCIENCES



1933-1934
ANNOUNCEMENTS FOR 1934-1935

DURHAM, NORTH CAROLINA
1934



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UNIVERSITY CALENDAR

1934

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|-------|--------|---|
| June | 7. | Thursday—Registration of students for Summer School, first term. |
| June | 8. | Friday—Instruction begins for Summer School, first term. |
| June | 29. | Friday—Instruction begins for Summer School, middle term. |
| July | 4. | Wednesday—Independence Day—A holiday. |
| July | 18-19. | Wednesday-Thursday—Final examinations for Summer School, first term. |
| July | 20. | Friday—Registration of students for Summer School, third term. |
| July | 21. | Saturday—Instruction begins for Summer School, third term. |
| Aug. | 30-31. | Thursday-Friday—Final examinations for Summer School, third term. |
| Sept. | 15. | Saturday, 4 P.M.—First regular faculty meeting of the academic year. |
| Sept. | 19. | Wednesday, 11 A.M.—Formal opening of college. Registration of matriculated students. |
| Sept. | 20. | Thursday—Instruction for sophomores, juniors, and seniors begins. |
| Sept. | 20. | Thursday, 9 A.M. to 1 P.M., 2:30 P.M. to 4 P.M., Friday, 9 A.M. to 1 P.M., 2:30 P.M. to 5 P.M., Saturday, 9 A.M. to 1 P.M.—Registration of graduate students. |
| Oct. | 15. | Monday—Last day for submitting thesis subjects for the degree of Doctor of Philosophy. |
| Nov. | 5-10. | French examinations for candidates for graduate degrees. |
| Nov. | 11. | Sunday—Armistice Day. |
| Nov. | 12-17. | German examinations for candidates for graduate degrees. |
| Nov. | 15. | Thursday—Last day for submitting thesis subjects for degrees of Master of Arts and Master of Education. |
| Nov. | 29. | Thursday—Thanksgiving Day—A holiday. |
| Dec. | 11. | Tuesday—Duke University Day—Not a holiday. |
| Dec. | 19. | Wednesday, 1 P.M.—Christmas recess begins. |

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| Jan. | 3. | Thursday, 8:20 A.M.—Instruction is resumed. |
| Jan. | 10-18. | Reading period. |
| Jan. | 19. | Saturday—Mid-year examinations begin. |
| Jan. | 28-30. | Registration of graduate students for second semester. |
| Jan. | 31. | Thursday—Second semester begins. |
| Feb. | 22. | Friday—A holiday. |
| March | 4-9. | French examinations for candidates for graduate degrees. |
| March | 11-16. | German examinations for candidates for graduate degrees. |
| March | 15. | Friday—Last day for applying for University fellowships, graduate assistantships, and graduate scholarships. |
| March | 27. | Wednesday, 1 P.M.—Spring vacation begins. |
| April | 3. | Wednesday, 8:20 A.M.—Instruction is resumed. |
| May | 1. | Wednesday—Last day for submitting theses for degree of Doctor of Philosophy. |
| May | 1-15. | Reading period. |
| May | 15. | Wednesday—Last day for submitting theses for degrees of Master of Arts and Master of Education. |
| May | 22. | Wednesday—Final examinations begin. |
| June | 2. | Sunday—President's address to graduating class. |
| June | 3. | Monday—Annual meeting of the Board of Trustees. |
| June | 3. | Monday—Annual meeting of the Alumni and Alumnae Councils. |
| June | 3. | Monday evening—Organ Recital. |
| June | 4. | Tuesday morning—Commencement sermon. |
| June | 4. | Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business meeting of the Alumnae Association. |
| June | 4. | Tuesday evening—Reception in honor of the graduating class. |
| June | 5. | Wednesday morning—Commencement address. |
| June | 5. | Wednesday afternoon—Graduating exercises. |
| June | 5. | Wednesday afternoon at sunset—Lowering of the Flag by the graduating class. |

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ROBERT STANLEY RANKIN, A.B., M.A., Ph.D.
Assistant Dean of the Graduate School

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GEORGE THOMAS HARGITT, Ph.B., A.M., Ph.D.

WILLIAM McDOUGALL, M.A., D.Sc., Litt.D.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D.

WILLIAM PERLZWEIG, B.S., A.M., Ph.D.

JAMES FRED RIPPY, A.B., A.M., Ph.D.

**ELBERT RUSSELL, A.B., A.M., Ph.D.

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.

ALBAN GREGORY WIDGERY, B.A., M.A.

* On leave, spring, 1934.

** On leave, 1933-1934.

INSTRUCTIONAL STAFF

The date denotes the first year of service.

- ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D.
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- ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D.
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- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D. 1305 B Street
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- BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D. Hope Valley
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- BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D. 410 Buchanan Road
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- BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D. Hope Valley
Professor of Educational Psychology
- CAMPBELL, NEIL, (1933), Ph.D. Duke University
Exchange Lecturer in Chemistry
- CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M. Hope Valley
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- CARLITZ, LEONARD, (1932) A.B., Ph.D. 6 Bickett Apartments
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* On leave as Exchange Professor in University of Edinburgh, 1933-1934.

** On leave, spring, 1934.

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 11 Bickett Apartments
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* On leave, 1933-1934.

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* On leave, spring, 1934.

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 philologie classique, Louvain Faculty Club, East Campus
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* On leave, 1933-1934.

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Professor of Bacteriology and Associate Professor of Medicine
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D. Hermitage Court
Professor of Religious Education
- SMITH, SUSAN GOWER, (1930) A.B., M.A. Hope Valley
Instructor in Physiology and Pharmacology
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D. Hope Valley
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- WIDGERY, ALBAN GREGORY, (1930) B.A., M.A. Pinecrest Road
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- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D. 216 Forest Wood Drive
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- †WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D. 807 Second Street
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* Resigned, November 1, 1933.

† On leave, 1933-1934.

ZENER, KARL EDWARD, (1928) A.M., A.M., Ph.D. 416 Carolina Circle
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HONORARY FELLOW

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Fleshman, Arthur Cary Psychology Hotel Malbourne
 B.S., Westminster; A.M., George Washington; Ph.D., New York
 University

McCulloch, Thomas Logan Psychology Duke Station
 A.B., Whittier; A.M., Ph.D., Duke

Margineanu, Nicolas Psychology 7 Powe Apts.
 Ph.D., Cluj University, Roumania

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Farioletti, Marius Economics 611 Watts St.
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Garrett, Harper Lee History 108 E. Markham Ave.
 A.B., The Citadel; A.M., Duke

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 A.B., University of Richmond; A.M., Duke

Godcharles, Charles Augustus Philosophy 304 Cook St.
 A.B., Bucknell; A.M., Duke

Goldstein, Israel Payson English 120 Epworth
 A.B., Lehigh

Harris, Isabella Deas English 311 Jarvis
 A.B., Wesleyan; A.M., Duke

* Resigned, February 1, 1934.

Harrison, David Moody B.S., Ursinus; A.M., Duke	Economics	1114 8th St.
Hoole, William Stanley A.B., A.M., Wofford	English	110 Watts St.
LeMaistre, John Wesley B.S.E., M.S., University of Michigan	Chemistry	2219 Club Blvd.
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Montague, Ludwell Lee A.B., Virginia Military Institute; A.M., University of Pennsylvania	History	207 House A
Overdyke, William Darrell A.B., Centenary; A.M., Louisiana State	History	1014 Lamond Ave.
Rice, Nolan Ernest A.B., University of Kentucky; A.M., Duke	Zoölogy	208 E. Trinity Ave.
Rintelen, Joseph Charles, Jr. B.S., Brooklyn Polytechnic Institute; M.S., Cornell	Chemistry	306 House A
Shankle, Herbert Lazelle A.B., A.M., Duke	Chemistry	604 Buchanan Road
Sparks, Dade A.B., East Texas State Teachers College; A.M., University of Texas	History	918 Urban Ave.
Stanbury, Walter Albert, Jr. A.B., A.M., Duke	English	516 W. Chapel Hill St.
Tollen, William Bruce A.B., University of Pennsylvania	Sociology	1006 Shepherd St.
Williams, Harold Fish Ph.B., University of Wisconsin	Botany	2 Overby Drive
Woodward, George Milton A.B., A.M., Vanderbilt	Economics	205 House A

INDUSTRIAL RESEARCH FELLOWS

Darkis, Frederick Randolph B.S., M.S., Ph.D., University of Maryland	Chemistry	2114 Club Blvd.
Dixon, Lawrence F. A.B., Duke	Chemistry	916 Monmouth Ave.
McLean, Ruth A.B., Woman's College of U. N. C.	Chemistry	1022 Monmouth Ave.
Pearson, John Herbert Sc.B., Brown; Ph.D., Duke	Chemistry	806 Second St.
Sigmon, Hugh William B.S., M.S., North Carolina State College	Chemistry	1116 Burch St.

GRADUATE ASSISTANTS

**Andrews, Henry Lucian A.B., A.M., Duke	Sociology	04 House C
Billings, William Dwight A.B., Butler	Botany	309 House E
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Cagle, William Carl B.S., University of Chattanooga; A.M., George Peabody	Chemistry	2219 Club Blvd.
Cleaves, Alden Parker A.B., A.M., Boston	Physics	01 House C
Comer, David Baine, III A.B., A.M., Tulane	English	1505 Duke University Rd.
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Dunlap, Orell Alva A.B., Presbyterian	Economics	Vance Apts.
*Edwards, Allen David B.S., Western State Teachers College, Michigan; Ph.M., University of Wisconsin	Sociology	918 Urban Ave.
Finan, John Lincoln A.B., Harvard	Psychology	306 House A
Gorman, Mary Aylward A.B., Randolph-Macon Woman's College; A.M., Duke	Chemistry	210 Bassett
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Harkema, Reinard A.B., Calvin	Zoölogy	407 Cook St.
Hathorn, John Broadus A.B., A.M., Rice Institute	Education	921 W. Markham Ave.
Hobbs, Marcus Edwin A.B., Duke	Chemistry	01 House V
Huberman, Edward A.B., Harvard; A.M., Rutgers	English	1010 W. Trinity Ave.
*Humble, Hilary Augustus A.B., A.M., Duke	Chemistry	01 House V

** Appointed, February 1, 1934.

* Resigned, February 1, 1934.

Jacokes, James Warner, Jr. B.S., Union University	Chemistry	103 House H
Johnston, Thomas McNaughton B.S., Washington and Jefferson; A.M., Tulane	English	1505 Duke University Rd.
Kates, Kenneth Casper A.B., St. Stephen's	Zoölogy	204 Watts St.
McCain, William David B.S., Mississippi Delta State Teachers College; A.M., University of Mississippi	History	05 House C
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McCormick, Edward Theodore B.S., University of Arizona; M.S., University of California	Economics	305 House B
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McDavid, Raven Ioor, Jr. A.B., Furman; A.M., Duke	English	202 House A
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McManus, Mary Idolene A.B., Coker; A.M., University of South Carolina	Zoölogy	107 Bassett
Manget, Jeanne Logan A.B., A.M., Duke	Physics	315 Brown
Miller, William Taylor, Jr. A.B., Duke	Chemistry	2219 Club Blvd.
Moore, Daniel Houston A.B., A.M., Duke	Physics	918 Urban Ave.
Nuermberger, Gustave Adolph A.B., University of Buffalo; A.M., Duke	History	203 House A
Parker, Enid Rifner A.B., University of Chattanooga; A.M., Duke	Latin	307 Bassett
Pratt, Joseph Gaither A.B., A.M., Duke	Psychology	403 Cook St.
Raasch, LaVerne Amando A.B., A.M., University of Wisconsin	English	308 Bassett
Reed, John Frederick A.B., Dartmouth	Botany	306 House B
Reeves, Carl Walker B.S., The Citadel; A.M., Columbia	English	301 House B

Roberts, Tilden Wirt A.B., Indiana	Zoölogy	1004 Minerva Ave.
Root, Paul Adelbert A.B., Asbury; B.D., Duke	Sociology	303 House B
Smith, Newell Hart A.B., Park; A.M., University of Virginia	Physics	1116 Burch Ave.
Spangler, Helen Virginia A.B., M.S., West Virginia	Botany	314 Jarvis
Stuart, Charles Edward A.B., Duke	Psychology	803 Cook St.
Swanson, John Chester A.B., University of Richmond; A.M., Duke	Physics	914 Exum St.
Wallace, Elbert Stephen A.B., Birmingham-Southern; A.M., Duke	Economics	1023 Gloria Ave.
Whitenfish, Abe Irving B.S., University of Richmond; A.M., Duke	Chemistry	212 House H
**Whitman, William Tate A.B., A.M., Duke	Economics	921 Monmouth Ave.
Winton, Lowell Sheridan B.S., Grove City; A.M., Oberlin	Mathematics	918 Urban Ave.
Wynne, Robert Baker A.B., A.M., College of William and Mary	English	1026 Monmouth Ave.
Yeargan, Cordon Arnold A.B., Kansas State Teachers College	Zoölogy	809 Chapel Hill St.

GRADUATE SCHOLARS

*Dillon, Conley Hall A.B., Marshall; A.M., Duke	Political Science	611 Watts St.
Dye, Margaret Luisita A.B., University of Missouri	French	112 Bassett
Garner, Samuel Paul A.B., Duke	Economics	101 House B
**Harrington, John Beattie A.B., A.M., Princeton	Philosophy	303 House A
Heckman, Oliver Saxon A.B., Lebanon Valley; A.M., University of Illinois	History	203 House A
Humrichouse, Ann Stockton A.B., Bryn Mawr	French	915 Monmouth Ave.
Ivey, Mary Stuart A.B., Lenoir Rhyne	Latin	216 Bassett

* Appointed, February 1, 1934.

** Resigned, February 1, 1934.

McCallie, Spencer Jarnagin, Jr. A.B., University of Virginia	Education	110 House D
McCarrell, David Kithcart A.B., Washington and Jefferson; A.M., Duke	History	207 House A
McEntire, Weldon Davis B.S., Utah State; A.M., Duke	Political Science	1417 James St.
Mann, Marvin Mellard A.B., A.M., Duke	Physics	905 Second St.
Morgan, Jasper Eugene B.S., Wake Forest; A.M., Duke	Physics	512 Milton Ave.
Morgan, Karl Ziegler A.B., A.M., University of North Carolina	Physics	1116 Burch Ave.
Peterson, Daniel McLeod A.B., University of Mississippi	Mathematics	107 House B
Poole, Mary Elizabeth A.B., University of Kentucky; A.M., Duke	French	307 Giles
**Riddick, Floyd Millard A.B., Duke; A.M., Vanderbilt	Political Science	611 Watts St.
Rolston, Cornelia Love A.B., University of Chattanooga	French	307 Bassett
Rose, Jesse Lee A.B., College of Charleston	Greek	1111 Urban Ave.
Searcy, Hubert A.B., Birmingham-Southern; A.M., Duke	Political Science	1114 8th St.
Shugart, Thomas Reeder B.S., Texas Christian	Physics	106 House A
Stites, Mildred Gant A.B., Duke	Botany	314 Jarvis
Tongue, William Richard A.B., University of Pennsylvania	Latin	05 House C
Webb, William Yates A.B., A.M., Columbia	Economics	03 House C
Williford, Annie May A.B., Barnard; A.M., Columbia	History	317 Jarvis
Zirkle, George A.B., Tusculum	Psychology	818 Sixth St.
Zirkle, Sara Ownbey A.B., A.M., Duke	Psychology	818 Sixth St.

, ** Resigned, February 1, 1934.

GRADUATE INSTRUCTION IN DUKE UNIVERSITY

GENERAL STATEMENT

Prior to 1916 there was no separate organization within Trinity College to promote and supervise graduate studies. However, there had been for many years a limited number of graduate students who completed a year of post graduate work and received the degree of master of arts. The work of such students was supervised through the office of the Dean of Trinity College. Many of these graduate students went out from Trinity College to continue their studies at other colleges and universities and later achieved distinction as teachers and scholars.

In September, 1916, President Few appointed a Committee on Graduate Instruction to deal with the problems involved in the promotion and administration of graduate work. In that year there were six graduate students in the College, and seven graduates of the College were enrolled in the professional School of Law. During and immediately after the World War the number of graduate students remained small, but by the year 1923-1924 the graduate enrollment had increased to thirty-five exclusive of the college graduates enrolled in the School of Law.

The growing importance of graduate work in Trinity College caused the Committee on Graduate Instruction, during the first semester of the year 1923-1924, to make a careful study of requirements for admission to graduate work, of requirements for advanced degrees, and of other conditions affecting standards of graduate instruction. A comprehensive report was prepared by the Committee and adopted by the faculty. Provision was made for the granting of two advanced degrees, master of arts and master of education. Regulations were adopted which increased the distinction between graduate and undergraduate work. A thesis requirement was made for every candidate for a graduate degree, and provision was made for the examination of theses by faculty committees. The Committee on Graduate

Instruction undertook a closer supervision of graduate courses and of the work of graduate students.

Thus, when Trinity College became Duke University in December, 1924, noteworthy progress had already been made in organizing a graduate department with advanced courses in many fields of study and with high standards. In accepting Mr. Duke's great benefaction, the Trustees definitely included a Graduate School of Arts and Sciences as a member of the University organization.

In the academic year 1926-1927 a Council on Graduate Instruction was established in the University to exercise a general supervision over graduate work in arts and sciences, and Professor William H. Glasson was appointed Dean of the Graduate School of Arts and Sciences.

THE LIBRARY

Distinct progress has been made toward assembling a library of university proportions. On January 31, 1925, shortly after the reincorporation of Trinity College as Duke University, the number of volumes accessioned was 87,857; on January 31, 1934, the number had reached 368,666. These volumes are distributed among four units: the General Library, 281,784 volumes; the Library of the Law School, 41,434 volumes; the Duke Hospital (Medical) Library, 28,176 volumes; and the Library of the Woman's College, 17,272 volumes.

The General Library is the center of the Graduate School. The principles that guide its development are two: first, to procure books and other literary material in all fields of knowledge represented by the various departments of the University; the other, to centralize on certain fields of interest, usually of importance to several departments. Illustrative of the former principle has been the expansion of periodical and serial subscriptions; in 1925 these were 554 in number; today they are 1,563; and if the subscriptions in the Libraries of Law, Medicine, and the Woman's College are added, the grand total is 2,433.

The second principle, that of concentration, is best visualized by acquisitions in the following domains of knowledge:

1. In the Social Sciences a number of the great collections of source material for Medieval and Early Modern History

have been secured. To Migne's *Patrologia* have been added the *Monumenta Historica Germaniae*, the *Chronicles and Memorials of Great Britain*, the *Comptes Rendus de Séances de la Commission Royale de Belgique*, the *Collection de Chroniques Belges Inédites*, the *Acta Sanctorum*, and the *Corpus Reformatorum*. Correlating with this material is the library of the late Professor Holl of Berlin, consisting of some eight thousand titles relating to the Church through the period of the Protestant Revolt.

For Modern European development the following sets have been added: the *British Calendar of State Papers*, the *Journals of the Board of Trade*, the *Acts of the Privy Council*, the *British and Foreign State Papers*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Recueil Général de Lois, Décrets, et Annonces*, etc., the *Lois et Actes du Gouvernement de la République Française*, the stenographic reports of the German Reichstag, the *Actas* of the Spanish Cortes, and the *Estadística General del Comercio Exterior de España*. Pertinent also are the following Latin American sets: the *Sesiones del Congreso de la República Chile*, the *Boletín de Leyes de Chile*, the *Diario* of the National Congress of Argentina, the *Gaceta Judicial de Bolivia*, the *Anuario de Leyes de Bolivia*, the *Diario Oficial do Brasil*, the *Colecção das Leis do Brasil*, and the *Actas da Camara da Villa de São Paulo*. Supplementing these sets is the library of the late Pérez de Velasco of Lima, consisting of three thousand titles relating to all phases of Latin American life. Mention should also be made of a large collection of works pertaining to the political and cultural development of Brazil.

Another acquisition of importance is the private library of Professor Louis Strisower, sometime president of the Institut de Droit International. It consists of approximately five thousand volumes, including many works in private as well as international law, dating from the seventeenth century to the present. It is especially valuable for its periodical files and rare books.

Fundamental source materials concerning the United States have also been increased by the acquisition of over thirty thousand pieces of state documentary publications and many additions to federal documents prior to 1860, the Library having

been a depository for federal documents since 1890. Of importance also has been the collection of material relating to the region in which the Library is located, including newspapers and manuscripts as well as books and pamphlets. Approximately four thousand titles illustrative of early American presses from 1690 to 1820, mainly of New England and the Middle Region, make the American collection of more than regional importance.

There is also much material relating to religion in America, including extensive files of published official proceedings of such organizations as Episcopal dioceses, Methodist conferences, and Baptist conventions.

2. In the domain of language and literature, the principal large acquisitions have been as follows: (a) in Romance Literature, the library of Professor Gustav Lanson, noted critic and scholar, consisting of eleven thousand titles, rich in standard works on modern French authors and the literature of technical criticism; (b) English Philology has been strengthened by acquiring the monographs collected by the late James W. Bright of Johns Hopkins University; (c) for English Literature the library of the late Professor T. S. Graves of the University of North Carolina affords a scholar's working collection, especially for the drama from the time of Elizabeth to the close of the eighteenth century; (d) approximately one thousand four hundred dramatic works of the eighteenth century, supplementing the Graves Collection, make a comprehensive unit for English Dramatic Literature prior to 1800; (e) the Romantic Period of English Literature is well represented, including besides standard editions, a number of early or rare issues of the works of Byron, Coleridge, and Shelley; (f) for Germanic Literature, there are approximately two thousand volumes representative of leading Scandinavian authors since 1860, and over one thousand volumes relating to the life and works of Goethe; (g) for Oriental Studies, the library of the late Professor Graf von Baudissin has been acquired, valuable for its works on the Hebrew language and the literature of the Old Testament.

3. In the domain of Mathematics and Science there has been a rapid development of serials, the number of serial files in Chemistry being 88, in Biology 119, in Physics 43, in Mathematics 33, in Entomology 29, in Engineering 30, and in General Science 36. Supplementary are the serial files in the

Hospital (Medical) Library, which total 491. The acquisition of the library of Dr. L. O. Howard, eminent American entomologist, and of some six thousand titles in Forestry greatly strengthens the scientific collections.

NEWSPAPERS

The Library contains a cosmopolitan collection of newspapers, consisting of over six thousand volumes illustrative of the press in every American state save Arizona, Utah, Wyoming, North Dakota, and Oregon, and of the presses in nineteen foreign countries. The major part of the American newspapers come from the Atlantic Seaboard, the following states being strongly represented: Massachusetts, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. As a guide for scholars, a *Check List of United States Newspapers (and Weeklies since 1900)* is being issued serially.

MANUSCRIPTS

The Library also is the repository for over two hundred thousand manuscripts. Among these is a manuscript in Greek of the New Testament, dating apparently from the thirteenth century, probably of Byzantine origin; the reading is that of the Received Text, with variations which are a fruitful subject for research. Another Greek New Testament manuscript has just been acquired, the date of which has tentatively been placed as sixteenth century; its binding is a fine example of early silver-thread embroidery on silk with silver centerpieces both back and front. Of interest to students of English literature are a number of manuscripts of Dante Gabriel Rossetti, including five hundred lines of hitherto unpublished verse, many original versions of poems already published, plans for an unfinished lyrical tragedy, and notes for "God's Grael." There are also over sixty letters of William M. Rossetti, written to Ann Gilchrist principally in the interest of Walt Whitman. Of literary interest, also, are the letters of Admiral Mahan, distinguished naval officer, to Samuel A. Ashe. By far the larger number of manuscripts relate to the region in which the University is located. Pertinent to its literary history are one thousand two hundred pages of manuscripts once belonging to Dr. Thomas Holley Chivers, the Georgia poet and friend of Edgar Allan

Poe; a diary of Alexander B. Meek of Alabama and his manuscript copy of *Red Eagle*; and the correspondence of Paul Hamilton Hayne, South Carolina poet, consisting of four thousand letters. For the colonial period there are a number of manuscripts relating to the administration of the colony of Georgia. The revolutionary period is represented by over one hundred letters by and to General Nathaniel Greene. For the ante-bellum period, the correspondence of Clement Clay, Jr., of Alabama is distinctive, and for the same period are smaller groups of letters by such personages as John Randolph of Roanoke, Francis W. Pickens of South Carolina, John Hook of Virginia, Edward Harden of Georgia, and James Iredell and Asa Biggs of North Carolina. The Confederate section of the collection is particularly strong, including the *Official Register of the Confederate States Congress*, a ledger which gives the captions, dates of passing by Congress, and the dates of signature by President Jefferson Davis, of the statutes enacted by the Congress of the Confederate States, and eighty manuscript statutes of the last session of the Congress. There are also eighty-four letters of General Robert E. Lee, the military correspondence of General William Nelson Pendleton and of Governor Floyd of Virginia, some of the commissary papers of Jackson's Army during the Valley Campaign, and many letters of private soldiers and some family correspondence during the War. Plantation diaries and manuscripts and commercial correspondence have likewise been assembled; also many letters and documents concerning Trinity College, now Duke University, and the correspondence of Benjamin N. Duke.

The resources of the other libraries of the University are also at the service of graduate students. The Law Library is of value for its files of statutes and court reports, the Medical Library for its serials, and the Woman's College Library for its work on Art.

NEW SCIENCE LABORATORIES

New laboratory buildings have been erected on the West Campus in biology, physics, and chemistry. Graduate students will find available the most modern equipment and facilities for research. In addition to the provision of modern apparatus, large sums have recently been expended to purchase important additions to the collections of scientific periodicals and publi-

cations in the departmental libraries, the University Library, and the Hospital Library.

In the School of Medicine elaborate facilities are provided for post graduate research in the various branches of medical science. Especial attention will be given to training in preventive medicine and public health work.

BIOLOGICAL LABORATORIES

The biology building on the West Campus contains three refrigerated rooms, an incineration room, a work shop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology, parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, and forestry. A large greenhouse gives adequate space for experimental work and propagation. There is a small synoptic museum and an herbarium. Dr. Irving E. Gray is the curator of the biological museum. On the East Campus laboratories are provided for women and a small greenhouse is conveniently located near the science building.

Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work, such as microscopes, ovens, baths, nets, kymographs, motors, chemicals, and glassware are available.

The Duke University Forest and the streams of the University estate furnish excellent collecting grounds. The woodlands are under the management of the Forestry Department. Duke University is situated in the Piedmont Region, between the mountains and coastal plain. This gives easy access to a variety of plants and animals. North Carolina is the home of the tulip tree, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to truly montaine species. In the woods about the University are opossums, squirrels, cardinals, Carolina wrens, several species of salamanders, king snakes, and terrapins.

CHEMISTRY LABORATORIES

Graduate work in chemistry is carried on in a new building which has a floor area of about 57,000 square feet. The equipment of this building is modern in every respect. Of this total space a large proportion is available for research and advanced teaching. There are twenty-five double research rooms completely equipped with the usual services. In addition the following specially designed rooms are available for present or future research as indicated: a low temperature room, photographic room, constant temperature room, gas analysis room, combustion room, bomb room, animal room, rooms equipped for high vacuum, X-ray, and photochemical investigations.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

PHYSICS LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. For purposes of instruction it has two lecture halls, four recitation rooms, five large laboratories and a number of smaller laboratories for advanced courses. On the first floor are located the office and research rooms of the departmental staff. On the third floor about ten rooms are set aside for research. All instructional and research laboratories are provided with compressed air, vacuum, gas, D.C. and A.C. circuits of various characteristics supplied through five trunk lines from the main switch board. All research rooms in addition, have one high potential and two low potential circuits. Several outlets in each room from the house lighting service are provided.

For the development of instructional and research apparatus a large shop has been located on the first floor for the exclusive use of instrument makers, and adjacent to this is a students' shop operated under the direction of a mechanic. This is made accessible to graduate students in physics. A collection of important apparatus for exclusive use in research is being gathered in a research store room which is to be in the custody of an expert repair man. A freight and passenger elevator makes conveniently accessible all parts of the laboratory.

The laboratory is at present provided with exceptional facilities for research in the fields of radiation and electricity. Among the instruments of precision in the spectroscopic laboratory there are available for students' use an E-1 Hilger spectrograph, and E-316 Hilger spectrograph and several Hilger instruments of the fixed arm type. A Rowland concave grating of 10 ft. radius and of 14,434 lines per inch of surface is equipped with a Brashear mount. An Eschelon spectroscope, a Lummer-Gherike plate, Michelson and Fabry and Perot interferometers, and a Moll microphotometre from Zipp and Sons of Delft are provided. Various types of mechanical and diffusion air pumps, including a Holweck pump, are installed for use in research. A Hilger micrometer comparator which reads directly to 0.001 mm. is used in the measurement of spectrographs. A sufficient number of photographic dark rooms are conveniently located. In the fields of electricity the laboratory is supplied with various types of potentiometers, electrometers, high sensitivity galvanometers and other devices for the precision determination of resistance, current, and potential difference.

GRADUATE DORMITORIES

Certain sections of the new dormitories on the West Campus have been reserved for graduate men. Board can be secured at the Union, which also has unusually attractive provisions for social intercourse and activities. Graduate women will find dormitory accommodations of the highest type on the East Campus. The Union on the East Campus furnishes meals at reasonable rates and serves as a center of campus life.

GRADUATE CLUB

One of the active organizations of the University is the Graduate Club. Its meetings are held monthly and are devoted to the professional and social interests of graduate students. Many eminent speakers have addressed the club at meetings open to the public. Recent speakers have been Professor Clement Vollmer, Professor Charles A. Ellwood, Professor E. R. C. Miles, and others. Mr. William M. Gibson was president of the Graduate Club during the year 1933-1934.

FELLOWSHIPS AND SCHOLARSHIPS

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. The Angier B. Duke Memorial, Incorporated, awards an annual fellowship of one thousand dollars to a graduate student of exceptional merit. Fifteen University fellowships of six hundred fifty dollars each and sixteen University fellowships of six hundred dollars each have been established. There are also seven graduate scholarships of four hundred dollars each and ten graduate scholarships of three hundred fifty dollars each. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be made on or before March 15 of each year. In case vacancies occur, applications submitted on a later date will be considered.

There are also a number of graduate assistantships open in the various departments with compensation ranging from \$300 to \$650. Graduate assistants are under obligation to give part of their time to such work in the departments as may be assigned to them. They will usually be unable to carry a full program of study. Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.

ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a Faculty Committee on Research consisting of three members, the President himself being a fourth member *ex officio*. On April 1 of each year the Chairman of the Committee on Research receives written applications from members of the Faculty for stipends for the encouragement of research. Amounts granted may be expended for the employment of research assistants, or for the purchase of books, apparatus, and material. The amount of the stipend may not exceed five hundred dollars. Each member of the Faculty to whom a research stipend is granted must within twelve months make a written report of the progress of his investigation.

UNIVERSITY PRESS

The Duke University Press affords facilities for the publication of many scholarly books and articles. The press issues five quarterly reviews: *The South Atlantic Quarterly*, *The Hispanic American Historical Review*, *American Literature*, *Ecological Monographs*, and *Character and Personality*.

A list of the publications of the Duke University Press may be obtained from the Manager of the Press, Durham, North Carolina.

REQUIREMENTS FOR ADMISSION AND DEGREES

ADMISSION TO GRADUATE COURSES

Students who have received a bachelor's degree for a four years' undergraduate course from a college of sufficiently high standing may be admitted to take courses in the Graduate School of Arts and Sciences of Duke University. The department concerned will determine whether a student is prepared to take any particular course. *Admission to graduate courses does not necessarily imply admission to candidacy for a degree.* A candidate for admission as a graduate student should present satisfactory evidence that he has received a bachelor's degree from a college or university which is a member of the Association of Colleges and Secondary Schools of the Southern States or of one of the similar associations in other sections of the country (provided that the degree must have been conferred after the admission of the college or university to membership in said association); or from a North Carolina college whose bachelor of arts' or other bachelor's degree is accepted by the State Department of Education as the basis for issuing the high school or primary certificate of Class A. A degree from an institution outside of the state of North Carolina, not provided for above, may be accepted when an investigation in the individual case shows that qualifications are satisfactory.

No college or university work taken before the bachelor's degree is conferred, or fully earned, may be credited toward an advanced degree except under the following circumstances: A student of Duke University who lacks at the beginning of a term not more than nine semester-hours of fulfilling the requirements for the bachelor's degree may obtain permission from the Dean of the Graduate School to take during the term graduate courses sufficient to bring his total work to fifteen hours a week. Such graduate courses will be credited toward the degree of master of arts or master of education.

No graduate student may register in one academic year for more than twenty-four semester-hours of work and a thesis.

ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are master of arts (A.M.), master of education (M.Ed.), and doctor of philosophy (Ph.D.). Many departments of the University are now prepared to give a full program of work leading to the degree of doctor of philosophy; other departments are gradually enlarging the scope of their instruction. As rapidly as is consistent with careful selection, new appointments are being made to the faculty of professors who will give their attention primarily to graduate courses and the direction of research.

ADMISSION TO CANDIDACY FOR A DEGREE

A graduate student who desires to be accepted as a candidate for a degree should file with the Dean of the Graduate School an official transcript of the record of his undergraduate work and also of any graduate courses he may have completed. He should also confer with the head, or chairman, of the department in which he desires to take his major work. Applications for admission to candidacy for the degree of master of arts or master of education should be made at the beginning of the first year of graduate work, and for the degree of doctor of philosophy early in the second year of graduate work. Before receiving recognition as a candidate for a degree, the student must satisfy both the general requirements of the Graduate School and the special requirements of the department in which he is taking his major work.

THE DEGREE OF MASTER OF ARTS

Candidates for the degree of master of arts are required to have a reading knowledge of two foreign languages, evidenced by examination or by credit obtained for at least six semester-hours of college work in each. If this requirement has not been satisfied before admission to candidacy for the degree, the required foreign language work must be completed before the degree is conferred and will not be counted for credit toward the degree. The two foreign languages offered must be acceptable to the department in which the candidate is taking his major work. Twice a year at stated times the language examinations will occur. The French examinations will be given the first week in November and the first week in March while the German examinations will be given the second week in November and the second week in March.

To obtain the degree of master of arts a candidate must complete satisfactorily twenty-four semester-hours of graduate courses and a thesis. The credit for the thesis is six semester-hours. Each candidate for the degree must select a major subject in which the minimum requirement is twelve semester-hours and the thesis. [Before selecting his major in a department, a student must have completed a minimum of twelve semester-hours of approved *preliminary* courses in that department and twelve additional semester-hours either in that department or in related work.] A candidate must take six semester-hours of graduate work in a minor subject approved by the major department, and the remaining six semester-hours in the major or minor subjects or in a department approved by the major department and by the Graduate Council. No undergraduate course may be credited toward the degree of master of arts.

MINIMUM RESIDENCE REQUIREMENT

The minimum residence requirement of candidates for the master's degree is one academic year. Often a longer period of residence will prove necessary. In the case of graduate students who take all the work for the master's degree in the Summer School, the minimum residence requirement is five summer terms of six weeks each. All the work

offered for the master's degree must be completed within a period of six years.

DEGREE OF MASTER OF EDUCATION

The degree of master of education is granted to teachers, or others engaged in educational service, upon completion of the prescribed program of study. Candidates for the degree must have had two years of practical experience in teaching when the degree is conferred. This experience may be obtained in the two years immediately prior to entering upon candidacy for the degree, or it may be obtained concurrently with the period of study for the degree.

A preliminary requirement for admission to candidacy for this degree is the completion of a minimum of twelve semester-hours of approved undergraduate work in education, including work in educational psychology and work in history of education, or educational sociology, or school administration.

The requirements for the degree of master of education are twenty-four semester-hours of graduate courses and a thesis. Candidates must take a minimum of twelve semester-hours of work and write a thesis in the Department of Education. At least six semester-hours must be taken in some department other than the Department of Education. Students who are preparing to teach are advised strongly to take twelve semester-hours of graduate work in the subjects they intend to teach. In such cases the thesis may be prepared under the joint supervision of a department in which the student intends to teach and the Department of Education.

The residence requirements for the degree of master of education are the same as those for the degree of master of arts.

THESIS FOR THE MASTER'S DEGREE

The title of the thesis required in partial fulfilment of the requirements for the degree of master of arts or master of education must be approved by the department or departments concerned and filed with the Dean of the Graduate School on or before November 15 of the academic year in which it is expected that the degree will be conferred.

Three (or, at the discretion of the department, four) bound type-written copies of each thesis must be submitted to the Dean of the Graduate School in approved form on or before May 15 of the year in which the degree is conferred. The thesis is passed upon and accepted or rejected by an examining committee of three members of the faculty. Two of the copies, the original and a carbon copy, are placed in the University Library. Each candidate is required to appear before the committee for a final examination. The oral portion of the examination will be at least one hour in length and will be either on the thesis or on the thesis and its related field; this choice and the length of the examination to be determined by the department with due consideration to the needs of the candidate and the subject-matter of the thesis. The chairman of the committee will inform the other members of the committee of the character and scope of the examination.

SUMMER SCHOOL WORK FOR THE MASTER'S DEGREE

Graduate students may not receive more than six semester-hours of credit for work taken in one summer session of six weeks. The degree of master of arts or master of education can be earned in five such summer sessions by students who are well prepared for graduate work. All the work offered for the master's degree must be completed within a period of six years.

CREDIT TOWARD THE MASTER'S DEGREE FOR WORK DONE ELSEWHERE

No credit toward advanced degrees is given for university extension or correspondence courses.

Not more than six semester-hours of credit toward the master's degree may be given to graduates of Duke University or of other approved colleges or universities for acceptable graduate courses or research work completed elsewhere. Such credit shall not shorten the minimum period of residence required at Duke University.

THE DEGREE OF DOCTOR OF PHILOSOPHY

A student who plans to enter upon a program of work leading to the degree of doctor of philosophy should consult, or enter into correspondence with, the Dean of the Graduate School or the head of the department concerned. He will then be advised as to the possibility of securing the necessary instruction and supervision of research in the desired field.

The Council on Graduate Instruction has adopted the following regulations governing the conferring of the degree of doctor of philosophy:

1. The degree. The degree of doctor of philosophy is a research degree; it is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses. The granting of the degree will be based primarily upon evidence of high attainments in a special field of knowledge and upon the production of a thesis embodying the results of original research.

2. Residence Requirements. The normal period of resident graduate study, after the general requirements of admission to the Graduate School have been satisfied, is not less than three academic years. The candidate will be required to spend at least either the last year in actual residence at Duke University, or the first two years. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may expect to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake. Credit for one year of work done in summer school sessions may be given with the approval of the Graduate Council and of the department in which the student takes his major work. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work

completed many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

3. Application for Candidacy for the Ph.D. degree. A student desiring to become a candidate for the Ph.D. degree is ordinarily required to file with the Dean of the Graduate School, not later than the beginning of the second year of graduate work, a formal application indicating in what department and under what professor he proposes to carry on research. A committee will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major department have been satisfied, the chairman of the committee shall report the fact in writing to the Dean of the Graduate School. The student's program of study will be arranged after consultation with this committee and must secure its approval and that of the Graduate Council. In the case of students who come to Duke University for only the last year of graduate work, and in special cases approved by the Graduate Council, the application for recognition as a candidate for the Ph.D. degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

4. Preliminary Examination. Toward the end of the second full year of graduate work (or in special cases at the beginning of the third year), a preliminary examination of each candidate will be held covering the general field of his major subject. This examination will be conducted by the committee in charge of the student's work and will be either oral or written, or both, as the committee may determine. A student who passes this examination will be recognized as a candidate for the Ph.D. degree. At the discretion of a candidate's committee, the examination on his minor subject or subjects may be held at the time of his preliminary examination instead of at the time of his final examination.

5. Program of Study. The program of study of an applicant for the Ph.D. degree is subject to the approval of the Graduate Council and of the committee provided for in Section 3 above. The student must select a major field and one or two minor related fields. When a department offers instruction in a sufficient variety of subjects and the needs of the individual student seem to require it, the Graduate Council may permit a major and minor to be taken in the same department.

6. Foreign Language Requirements. A reading knowledge of French and German will ordinarily be required. A substitution for one of these languages may be made, however, by the consent of the Graduate Council and of the department in which a student takes his major work. The student will be examined on one of the foreign languages at the beginning of his second year of graduate work, and should qualify in both by the end of the second year of his graduate work. The department in which he takes his major work may indicate preference as to the language in which the student shall first be examined. Foreign language

examinations will be conducted by the appropriate language department in conjunction with the department in which the student has his major field of work.¹

7. Thesis. The thesis for the Ph.D. degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the Graduate School on or before October 15 of the academic year in which the candidate desires to take the final examinations for his degree. The subject must receive the written approval of the head, or chairman, of the department in which the candidate has his major field of work and also of the professor under whom the thesis is being written. The thesis must be completed to the satisfaction of the professor under whom it is written, and four typewritten copies in approved form must be deposited with the Dean of the Graduate School on or before May 1, if the student desires to be examined on the thesis in the same academic year. Two of the copies, the original and a carbon copy, are placed in the University Library.

The title page must be approved by the major department and by the Dean of the Graduate School.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the Graduate School and the committee in charge of the candidate's work. Copies of the published thesis should be deposited in the Graduate School office as provided by regulations of the Graduate Council. The degree will not be conferred until publication of the thesis, in approved form, within three years, has been guaranteed in a way satisfactory to the Dean of the Graduate School and the professor under whom the thesis was written.

8. Final Examination. The final examination on the thesis and on the subject matter of the major and minor fields will be oral. The examination on both thesis and major and minor work will be held at the same time unless otherwise arranged by special permission of the Graduate Council.

THE TRAINING OF COLLEGE TEACHERS

Colleges and preparatory schools are constantly calling upon the university graduate schools for efficient teachers. The Duke University Graduate School will endeavor to discover among the candidates for advanced degrees in the various departments those students who show promise of becoming good teachers. Provision will be made for the consideration and discussion of problems of teaching. Graduate students who expect to teach will be given opportunity to gain practical experience under the supervision of successful teachers. The Graduate School will keep such records as will enable it to recommend with confidence students who are likely to prove efficient as teachers. An

¹ See University Calendar, pages 5 and 6.

appointment bureau is maintained by the University, the services of which are extended to all graduate students.

THE GRADING OF GRADUATE STUDENTS

Members of the faculty are expected to report the grades of graduate students promptly at the end of each semester on the cards provided for that purpose.

In the grading of graduate students, S or satisfactory shall represent work of an acceptable character, G or good shall be the next higher grade, and E or exceptional shall be the highest grade. F or failing indicates that the grade of the student is below passing. In a course in which both graduates and undergraduates are enrolled, the grade S shall represent approximately the degree of attainment marked 80 in the case of an undergraduate. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in a course in which his standing is generally satisfactory. The student should arrange with the instructor to complete the remaining work of the course as promptly as possible.

GENERAL REGULATIONS

Not more than twenty-five students are permitted in a class giving graduate credit, nor are undergraduate students below the senior year permitted in such a class. Exceptions to these rules may be made by special permission of the Graduate Council on recommendation of the department concerned.

In courses exclusively for graduates, students may be given extra credit in semester-hours for extra work done with the approval of the Graduate Council on recommendation of the department.

COURSES OF INSTRUCTION

Unless otherwise stated all courses listed in this catalog will be given on the West Campus.

BOTANY

FOR SENIORS AND GRADUATES

202. Genetics.—The principles of heredity. Laboratory work involves experimental breeding of the fruit fly and observations on the breeding of plants. Prerequisites, one year of botany or zoölogy, or equivalent, and college algebra. **4 s.h.** DR. PERRY

211. Structure and Classification of Algae.—The morphological and ecological characteristics of the common freshwater and marine forms and the principles underlying their classification. Collecting, identification, and the making of permanent microscopical preparations. Offered in alternate years. Prerequisite, two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

212. Structure and Classification of Bryophytes.—The structural and systematic characteristics of mosses and liverworts, including practice in the identification of the common forms. Field trips. Offered in alternate years. Prerequisite, two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

213. Structure and Classification of Pteridophytes.—Structure, development, and classification of ferns and fern allies, including a study of fossil forms. Identification. Offered in alternate years. Prerequisite, two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

[Not offered in 1934-1935]

216. Botanical Microtechnique.—Studies in methods of preparing temporary and permanent microscopical slides; theory of staining; the use of the microscope, especially microscopical measurements, drawing and microphotography; botanical photography and lantern slides. Prerequisites, three semesters of botany. **4 s.h.**

PROFESSOR BLOMQUIST

221. Structure and Classification of Fungi.—Offered in alternate years. Prerequisite, two years of botany. **4 s.h.**

PROFESSOR WOLF

223. Diseases of Plants.—Special reference to crop plants. Offered in alternate years. Prerequisites, Botany 1, 2, and 52. **4 s.h.**

PROFESSOR WOLF

[Not offered in 1934-1935]

225-226. Special Problems.—Credits to be arranged.

STAFF

251. Methods in Plant Physiology.—Some of the more important problems of plant physiology with special consideration of the principles and methods of physiological research. Prerequisite, one course in plant physiology. **4 s.h.** DR. KRAMER

252. Chemical Plant Physiology.—The substances found in plants and the physical and chemical changes involved in their formation and utilization. Prerequisites, one year of chemistry and one course in plant physiology. Organic chemistry recommended. **4 s.h.**

ASSISTANT PROFESSOR ADDOMS AND DR. KRAMER

256. Field Ecology.—An ecological survey of local vegetation, including theory and practice in the use of instruments for precise habitat studies, and analysis of community and successional relationships. Prerequisites, Botany 1, 2, and 52 or equivalent. **4 s.h.** DR. OOSTING

FOR GRADUATES

304. Advanced Plant Anatomy.—Detailed study of the structure and development of economic plants, especially crop plants. Offered in alternate years. Prerequisite, Botany 103 or equivalent. **4 s.h.**

ASSISTANT PROFESSOR ADDOMS

[Not offered in 1934-1935]

355-356. Advanced Taxonomy.—Prerequisite, Botany 52 or equivalent. **2-8 s.h.** PROFESSOR BLOMQUIST

359-360. Research in Botany.—Individual investigation in the various fields of botany. Credits to be arranged. STAFF

397-398. General Botanical Seminar.—One hour per week throughout the year. Required of all graduates majoring in botany. **2 s.h.** STAFF

FORESTRY

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Special reference to diseases of forest trees. Prerequisites, Botany 1, 2, and 154 or equivalent. **4 s.h.**

PROFESSOR WOLF

254. Dendrology.—The characteristics, identification, and taxonomy of trees with special reference to species native to North Carolina and other important forest regions of the United States. Studies of special groups included. Prerequisite, two years of botany. **4 s.h.**

PROFESSOR KORSTIAN

FOR GRADUATES

353-354. Forest Research Methods.—A study of the methods employed in silvical investigations for obtaining and correlating data on site factors and forest vegetation. Organization and function of forest research stations and institutes. Prerequisites, Botany 151 and 156 or equivalents. Credits to be arranged. PROFESSOR KORSTIAN

357-358. Research in Forest Ecology.—Individual study and research on special problems in forest ecology by graduate students possessing the necessary qualifications in either botany or forestry. Prerequisites will vary somewhat with the problem selected. Credits to be arranged.

PROFESSOR KORSTIAN

CHEMISTRY

FOR SENIORS AND GRADUATES

215-216. Advanced Inorganic Chemistry.—A study of modern valence theory and of inorganic compounds, particularly of the less common types, illustrated by suitable laboratory preparations. Two recitations and three laboratory hours. Prerequisites, Chemistry 1-2, 61, 70, and 151-152. Chemistry 261-262, advanced physics, and ability to read German are desirable. **6 s.h.**

ASSOCIATE PROFESSOR VOSBURGH AND DR. HILL

231. Instrumental Analysis.—A study of the use of physical measuring instruments in chemical analysis. One recitation and six laboratory hours. **3 s.h.**

Prerequisites, Chemistry 70 and 261-262. Laboratory physics is desirable.

ASSOCIATE PROFESSOR VOSBURGH AND DR. SAYLOR

232. Advanced Quantitative Analysis.—A continuation of course 70, involving some of the more difficult analytical methods, including quantitative organic analysis. One recitation and six laboratory hours. Prerequisites, Chemistry 70, 151-152. Chemistry 261-262 is desirable. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT
PROFESSOR BIGELOW, AND DR. BROWN

241. Physiological Chemistry.—A study of the chemistry of human physiology. Clinical aspects of the subject are treated with reference to the need of prospective medical students. Two recitations and six laboratory hours. Prerequisites, Chemistry 70 and 151-152. Course 261-262 is desirable though not required. **4 s.h.**

PROFESSOR WILSON

242. Metabolism.—Open to students who have completed course 241 or its equivalent, and who have a reading knowledge of German. Lectures and collateral reading deal with the probable fate of foodstuffs in the body, the nitrogen balance, energy requirement, nutritive ratios, vital factors, and ductless glands. The laboratory work consists mainly of blood analysis under both normal and pathological conditions. The laboratory work of this course without the lectures may be taken by students who have passed Chemistry 241. In this case only two semester-hours credit will be given. **4 s.h.**

PROFESSOR WILSON AND MR. LEMAISTRE

251-252. Intermediate Organic Chemistry.—Intended for students who have had elementary organic chemistry but whose preparation is insufficient for Chemistry 253-254 or research, and to meet the minor requirements of graduate students in other departments. Three recitations. **3 s.h.**

ASSISTANT PROFESSOR BIGELOW AND DR. BROWN

253-254. Advanced Organic Chemistry.—A continuation of Chemistry 151-152, including a discussion of the theories of organic chemistry. The laboratory work will include qualitative organic analysis, together with preparations of the more difficult type, requiring reference to the original literature.

Prerequisites, Chemistry 151-152, or equivalent, and a reading knowledge of German.

ASSISTANT PROFESSOR BIGELOW, DRs. BROWN,
CAMPBELL, AND HAUSER

260. Colloid Chemistry.—An introductory study of the colloidal state of matter. Two recitations and three laboratory hours for one semester. **3 s.h.**

Prerequisites, Chemistry 151-152 and 261.

ASSOCIATE PROFESSOR VOSBURGH AND DR. SAYLOR

261-262. Physical and Electro Chemistry.—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Two recitations and three laboratory hours. Prerequisites, Chemistry 70, 151-152, college physics, and college algebra. Calculus is desirable but is not required. **6 s.h.**

PROFESSOR GROSS AND DR. SAYLOR

271. Introduction to Research.—Lectures on the use of chemical literature, research methods, recording and publication of results, preparation of theses, and other topics. One lecture per week. **1 s.h.**

PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT
PROFESSOR BIGELOW, AND DR. CAMPBELL

273-274. Seminar.—Open to seniors qualifying for honors in the department and required of all graduate students in chemistry. One hour a week discussion. **2 s.h.**

DR. HILL WITH PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH,
ASSISTANT PROFESSOR BIGELOW, DRs. BROWN,
CAMPBELL, HAUSER, AND SAYLOR

275-276. Research.—The aim of this course is to give instruction in methods used in the investigation of original problems. Nine hours a week laboratory and conferences. **3 or 6 s.h.**

Students may elect the first semester without taking the second. The amount of credit will depend on whether the course is pursued for one or two semesters. It is open to seniors who have had courses 70, 151-152, and who are taking 261-262.

PROFESSORS GROSS AND WILSON, ASSOCIATE PROFESSOR VOSBURGH,
ASSISTANT PROFESSOR BIGELOW, DRs. BROWN,
HAUSER, HILL, AND SAYLOR

280. Teaching of Chemistry.—Members of this course spend from 3 to 6 hours a week in laboratory instruction, each having supervision of about 24 students. The members of the course also meet one hour a week for lecture, conference, or recitation. In addition to the above hours, they prepare the regular work of the course in which they are supervising, correct laboratory notebooks, and do the reference reading and study necessary for the conference hour. *One semester, to be arranged with the Department. 2 or 3 s.h.*

(The amount of credit depends on whether 3 or 6 hours are spent in the laboratory in addition to the conference hour.)

PROFESSOR WILSON

FOR GRADUATES

351-352. Advanced Synthetic Organic Chemistry.—Recent advances in certain selected fields such as medicinals, dyes, perfumes, terpenes, alkaloids, etc. will be discussed. The emphasis will be placed upon structure studies and synthetic methods. Lecture or seminar 1 hour each week. **2 s.h.**

ASSISTANT PROFESSOR BIGELOW

361-362. Chemical Thermodynamics.—A discussion of general chemical theory from the standpoint of thermodynamics. Three recitations. **6 s.h.** Offered in alternate years with Chemistry 363.

Prerequisite, Chemistry 261-262 or its equivalent.

PROFESSOR GROSS

363-364. Chemical Kinetics.—Theories of reaction velocity, catalysis, the theory of the solid state, the structure of atoms, the radiation theory. Offered in alternate years with Chemistry 361. **6 s.h.**

Prerequisite, Chemistry 261-262 or its equivalent.

PROFESSOR GROSS AND DR. HILL

365. Phase Rule.—A study of equilibrium in heterogeneous systems, and the graphic representation of equilibrium conditions. Three recitations. One semester either fall or spring. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH

ECONOMICS

FOR SENIORS AND GRADUATES

203. Money and Banking.—After a preliminary study of monetary history and theory, together with an account of the development of credit instruments, there follows a more extended presentation of the theory and practice of banking. The first section of this course (*M.W.F., third period*) is limited to twenty-five graduates and seniors of superior standing. **3 s.h.**

PROFESSOR GLASSON

211-212. History of Political Economy.—This course traces the development of economic theory, giving special attention to the various schools of economic thought in England, France, Germany, and the United States. A large amount of collateral reading in the works of typical authors is required. Lectures and class discussions. *For graduates, and seniors with the consent of the instructor.* Old number 210. **6 s.h.**

PROFESSOR HAMILTON

213-214. Advanced Economic Theory.—This course is designed to introduce students to some of the more complex aspects of economic theory. Controversial phases of theory are surveyed through the medium of the works of the foremost modern economists. The course will also serve as a general review of economic theory for graduate students. *For graduates, and seniors with the consent of the instructor.* Old number 212. **6 s.h.**

PROFESSOR HOOVER

215. Economic Systems.—A study of alternative economic systems. In addition to an analysis of communism, anarchism, and the variants of socialism, the course will include a consideration of other proposed modifications of the existing economic order. Old number 214. **3 s.h.**

PROFESSOR HOOVER

216. Economic Functions of the State.—A consideration of the primary and secondary economic functions of government and of the legislation which provides for the performance of these functions, such as social legislation and the regulation of commerce and industry. Old number 215. **3 s.h.**

PROFESSOR HOOVER

217. Economic Stabilization.—A survey and critical analysis of the national and international factors which led to the present state of national and international economic instability with its attendant unemployment; examination and critical appraisal in economic terms of the numerous proposals which have been advanced to stabilize capitalism and to mitigate the social costs of instability; a consideration of the limits and the consequences of social control of economic life. **3 s.h.**

[Not offered in 1934-1935]

218. Population Problems and the Standard of Living.—A critical survey of the economic laws of returns and of pre- and post-Malthusian population theory; consideration of the relation between natural increase and the laws of economic distribution and of the effects of changes in the rate of natural increase upon various classes of industry and upon employment; examination of the factors which govern population growth and of current population trends; analysis of international economic and political problems which are founded upon population pressure; consideration of the economic and the biological aspects of differential birth rates. **3 s.h.**

[Not offered in 1934-1935]

231. The Economic History of England.—A study of England since the eleventh century, treating the manorial system, the guilds, mercantilism, and the course of the commercial and industrial revolutions to the present. **3 s.h.**
ASSISTANT PROFESSOR ROBERTS

232. Economic History of the United States.—A history of the economic progress of the United States from the formation of the Union to the present day, with special emphasis upon the interrelation of economic development in the United States and in foreign nations. **3 s.h.**
ASSISTANT PROFESSOR ROBERTS

236. Public Finance.—This course deals with public expenditures, public revenues, public debts, and financial administration. Old number 235. The first section of this course (*M.W.F., third period*) is limited to twenty-five graduates and seniors of superior standing. **3 s.h.**
PROFESSOR GLASSON AND DR. RATCHFORD

237. American Federal Finance.—A survey of the organization and methods of contemporary American federal finance with special attention to tariff revision, public-debt administration, and budgetary procedure. **3 s.h.**
[Not offered in 1934-1935]

253. Trade Unionism and Labor Problems.—A study of the history, structure, policies, and methods of the organized labor movement in this country. Case studies are made of several unionized industries and of certain unions. **3 s.h.**
ASSOCIATE PROFESSOR TROXELL

254. Industrial Relations.—The evolution and present status of modern labor conditions and labor relations. Methods used by employers and by employers' associations in meeting their labor problems. The law as it deals with relations of employer and employee, including governmental intervention in labor disputes. Trends in present-day industrial government in this country and abroad. Course 253 is a prerequisite. Old number 255. **3 s.h.**
[Not offered in 1934-1935]

255. Labor Administration.—A study of the problems of industrial management in their bearing upon labor relations. Employment management, the techniques of scientific management, joint relations, industrial training, the labor market, and related topics are surveyed. Old number 256. **3 s.h.**
[Not offered in 1934-1935]

256. Labor Legislation.—A course of study dealing with the basis of labor law, the minimum wage, hours of labor, safety and health, and social insurance. The important cases and court decisions, with respect to their social significance, will be used for class discussion. Old number 257. **3 s.h.**

265. International Trade and Tariff Policies.—An analysis of the theoretical principles underlying international trade with an historical study of the foreign trade and tariff policies of the United States, France, Germany, and England from the eighteenth century to the present. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

266. International Finance.—A study of the mechanism of international payment with attention to international movements of capital, the peculiarities of an inconvertible paper money régime, German reparation payments, and related problems. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

267-268. Business History.—A study of money makers and money making from the late middle ages to 1913. Attention will be given to the economic phenomena, such as fluctuations of prices, business cycles, monetary inflation, technological progress and shifts in demands, markets, and sources of supply—which have affected the accumulation of large fortunes. Attention will also be given to the relative profits of industries at different periods. Old number 267. **4 s.h.**

PROFESSOR HAMILTON

275-276. Advanced Industrial Accounting and Management.—This course traces the ways and means of executive control through statistics and industrial accountancy. Emphasis is placed upon the economics of overhead costs. A complete practice set of cost-accounting is worked by each student during the course. Old number 275. **6 s.h.**

Courses 57-58 and 105 are ordinarily prerequisites for this course.

MR. BLACK

FOR GRADUATES

331. Advanced Banking.—This course is open to students who have completed creditably Economics 51-52 and Economics 203 or equivalent courses in other institutions. The subjects for study will be found in the history, theory, and contemporary functions of the banking systems in the United States, England, and France. **2 s.h.**

PROFESSOR GLASSON

350. Research in Finance.—A seminar for the study of problems of corporation or public finance. Old number 349. **2 s.h.**

PROFESSOR GLASSON

318. General Seminar in Economics.—All graduate students with economics as a major subject are members of this seminar. Reports of progress in research will be made, and there will be lectures and critical discussion by members of the department. **2 s.h.**

STAFF

EDUCATION

The department offers a full major of work in educational psychology toward the degree of doctor of philosophy, with approved minors in as many as two of the divisions listed for the master's degree, and

an approved minor in psychology or in some other department offering work closely related to the thesis problem of the candidate. It is planned to offer complete majors in other divisions as rapidly as the growth of the department justifies.

The department offers work toward the master of arts and master of education degrees, and minor work toward the doctor of philosophy degree, in the divisions of elementary education, experimental education and educational psychology, history and philosophy of education, public school administration, and secondary education, and educational sociology. It is important for students who are degree candidates to choose their course according to some unified plan; they are reminded that mere accumulation of more or less unrelated courses in various divisions with minor work in some department only remotely related to the student's major work does not lead to a graduate degree. Every candidate for a master's degree should elect at least six, and preferably twelve, semester-hours of course-work in the special division in which he intends to write his thesis. Students who expect to write theses in the history of education are required to take their minor work in American history. Students writing in school administration are advised to elect minor work in economics and political science. Students in educational psychology should elect their minor work in psychology. No student, except by special approval of the department and of the Graduate School, is permitted to take minor work in more than one department or to the amount of more than six semester-hours.

ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. Technique of Teaching.—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. Prerequisite, teaching experience or six semester-hours of work in materials and methods. **3 s.h.** ASSOCIATE PROFESSOR CARR

212. Psychology of the Elementary School Subjects.—A study of the psychology of learning as applied to teaching the common-school subjects. **3 s.h.** ASSOCIATE PROFESSOR CARR

222. The Curriculum and Materials of the Elementary Grades.—A study of curriculum problems in the elementary school. **3 s.h.** ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

232. Elementary-School Supervision.—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. **3 s.h.** ASSOCIATE PROFESSOR CARR
[Not offered in 1934-1935]

EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

FOR SENIORS AND GRADUATES

208. Mental Tests and Applications.—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. Prerequisite, course 258 or six semester-hours of other work in educational psychology or psychology. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

209. Statistical Methods Applied to Education.—A study of statistical methods of treating educational and social data designed to enable teacher or administrator to interpret and use the results of scientific investigations in education. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

216. Psychological Principles of Secondary Education.—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. Old number 206. **3 s.h.**

PROFESSOR CHILDS

218. Educational Implications of Genetic Psychology.—A course tracing the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.: the process of socialization; etc. Prerequisite, six semester-hours of psychology or educational psychology. Not offered unless sufficient demand. **3 s.h.**

PROFESSOR BROWNELL

219. Experimental Education.—This course is designed to provide training (1) in planning, (2) in prosecuting, and (3) in reporting quantitative investigations in the field of education, more especially in the field of learning and teaching the various school subjects. **3 s.h.**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

227. The Psychology of Learning: Problems.—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. Old number 228. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

228. The Psychology of Learning, Theoretical and Experimental.—This is a continuation of 227. In this semester the laws of learning, the most important explanatory principles, and the major systems of the psychology of learning will be considered. Class experiments will run throughout the semester. Prerequisite, 227 or its equivalent. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

237. Investigations in Reading.—A summary of the results of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing diagnosis, and supervision; emphasis on problems requiring further investigation. Old number 238. **3 s.h.** (E)
ASSOCIATE PROFESSOR CARR

247. Investigations in Arithmetic.—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. Old number 248. **3 s.h.**
PROFESSOR BROWNELL

[Not offered in 1934-1935]

258. Educational Measurements.—A critical study of the fundamental principles and the various techniques involved in educational measurement; opportunity is provided for research on individual problems. Prerequisite, twelve semester-hours of Education. **3 s.h.**
PROFESSOR BROWNELL

FOR GRADUATES

309-319. Research in Educational Psychology.—This course provides opportunity for more advanced graduate students to engage in individual research projects under close supervision. Credit allowed proportionate to achievement and time devoted to the course. **3 to 6 s.h.**
PROFESSOR BROWNELL

318. Investigation of Study Problems.—A brief survey of the available literature on study, followed by extensive case-work in the study habits of high school and undergraduate college students. Diagnosis, corrective and remedial teaching in so far as possible, and reports. An introductory course in educational diagnosis and the treatment of individual differences. **3 s.h.**
PROFESSOR BROWNELL

[Not offered in 1934-1935]

338. Research in Reading.—A course designed for students who have original problems in reading which they desire to investigate. Such studies may be either individual or coöperative. Education 247 is advised as a preliminary course, but is not required. **3 s.h.**
ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

348. Research in Arithmetic.—A course designed for students who have original problems in arithmetic which they desire to investigate. Such studies may be either individual or coöperative. Education 247 is advised as a preliminary course, but is not required. **3 s.h.**
PROFESSOR BROWNELL

[Not offered in 1934-1935]

HISTORY AND PHILOSOPHY OF EDUCATION

FOR SENIORS AND GRADUATES

200. Introduction to the Philosophy of Education.—A consideration of fundamental concepts underlying educational theory. **3 s.h.**

PROFESSOR HOLTON

214. History of Education in the United States.—A study of the development of the American public school and the interaction of higher education and the public schools. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

224. Current Problems in Public Education as Revealed through School Surveys.—A study of recent developments in public education as revealed through school surveys and resulting from the survey movement. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

244. Studies in the Historical Development of Public-School Administration.—An advanced course devoted to the development of public-school administration in the South, with especial reference to North Carolina as a type. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

254. History of Secondary Education in the United States.—A study of historical and comparative conceptions of the secondary school, changes in American life affecting the secondary school, present status of the secondary school, current tendencies toward expansion, and the problem of state and federal aid. *First semester.* **3 s.h.**

PROFESSOR PROCTOR

[Not offered in 1934-1935]

264. Recent Movements in American Education.—An intensive study of educational thought and practice since 1900. **3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

294. Comparative Education: Recent Movements in European Educational Systems.—A comparative study of the school systems of the principal countries of Europe, with emphasis upon changes since the World War. **3 s.h.**

ASSOCIATE PROFESSOR CARR

PUBLIC SCHOOL ADMINISTRATION

FOR SENIORS AND GRADUATES

233. Administrative Pupil-Accounting.—An advanced study of gradation and classification of pupils, with incidental attention to the keeping of records and the making of reports. The study includes a consideration of individual differences, promotions, acceleration, and retardation of pupils; the various plans for classification and gradation; interpreting the results of tests; and some practice in the computation of statistical measures. **3 s.h. (w)**

PROFESSOR PROCTOR

234. Secondary-School Organization and Administration.—A study of the outstanding problems of secondary-school organization and administration other than the problem of gradation and classification of pupils. Old number 213. **3 s.h.** (w) PROFESSOR PROCTOR

253. Legal Phases of School Administration.—A study of judicial decisions and the development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. **3 s.h.** PROFESSOR HOLTON

[Not offered in 1934-1935]

FOR GRADUATES

323. Public School Finance.—A study of educational costs, sources of revenue for the support of public education, collection of revenue, basis of distribution, and accounting for funds spent. *Second semester.* **3 s.h.** PROFESSOR PROCTOR

343. State and County School Administration.—A study of state and county organization of public schools, emphasizing underlying principles. **3 s.h.** PROFESSOR PROCTOR

363. City School Administration.—A study of the organization and administration of city school systems, including administrative phases of supervision. **3 s.h.** PROFESSOR PROCTOR

[Not offered in 1934-1935]

SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY

FOR SENIORS AND GRADUATES

206. Sociological Foundations of the Secondary-School Subjects.—A consideration of the aims and objectives of secondary-school subjects, emphasizing practical problems of curriculum-making in the high school. Prerequisite, six semester-hours in education, including course 105. Old number 205. **3 s.h.** (w) *first semester.* PROFESSOR CHILDS

215. Principles of Educational and Vocational Guidance.—A study of the objectives and underlying principles of educational and vocational guidance, emphasizing this phase of education in North Carolina and the South. The study seeks to formulate a working program for vocational counsellors and others whose teaching function will involve problems of guidance. Prerequisite, courses in sociology or educational sociology. **3 s.h.** PROFESSOR CHILDS

[Not offered in 1934-1935]

225. The Teaching of High-School History.—Identical with History 211. The course counts as an elective in the Department of Education only when approved by the department and the instructor. **3 s.h.**

DR. MANCHESTER

246. The Teaching of Mathematics.—Identical with Mathematics 204. The course counts as an elective in the Department of Education only when approved by the department and the instructor. **3 s.h.**

PROFESSOR RANKIN

266. The Teaching of High-School French.—Identical with French 218. **3 s.h.**

PROFESSOR WEBB

FOR GRADUATES

300. Methods of Educational Research: Seminar.—Graduate students are instructed in methods of research as applied to selected educational problems. Each student must select for intensive study and practice a subject in which he is interested. **3 s.h.**

MEMBERS OF THE DEPARTMENT

[Not offered in 1934-1935]

ENGLISH

FOR SENIORS AND GRADUATES

201-202. Anglo-Saxon.—This course requires no previous study of Anglo-Saxon. The first semester is given to a study of Anglo-Saxon grammar and to the reading of Anglo-Saxon prose; the second semester, to the reading and interpretation of "Beowulf." **6 s.h.**

PROFESSOR BROWN

203-204. Chaucer.—**6 s.h.**

PROFESSOR BAUM

205-206. Middle English.—This course consists of an introduction to the study of early Middle English literature and of a study of the history of the English language.

Students may elect English 205-206 without having studied either Anglo-Saxon or Middle English. **6 s.h.**

PROFESSOR BAUM

207-208. English Literature, 1400-1550.—**6 s.h.**

PROFESSOR BAUM

[Not offered in 1934-1935]

209-210. English Romances.—This course consists of a rapid reading of the chief romances of the Middle English period. **6 s.h.**

PROFESSOR BROWN

[Not offered in 1934-1935]

213-214. The Ballad and Other Folk-Lore.—This course consists of an extensive study of the ballad and other ancient and modern folk-songs and of other kinds of folk-lore as found in North Carolina and other sections of America. Much of the material used in the course is in manuscript form, and still other material studied is that collected by the class during the year; thus the student gets training in collecting and classifying songs and other forms of folk-lore. Each student is assisted in developing some subject pertaining if possible to conditions in his native section. **6 s.h.**

PROFESSOR BROWN

- 215-216. The Drama of the Elizabethan Period.**—A study of the drama in England from its beginnings to 1640. **6 s.h.** PROFESSOR GILBERT
- 217-218. Spenser and Milton.**—An exhaustive study of the works of Spenser and Milton. **6 s.h.** PROFESSOR GILBERT
- 219. English Literature, 1660-1744.**—**3 s.h.** PROFESSOR WHITE
- 220. English Literature, 1744-1798.**—**3 s.h.** PROFESSOR WHITE
- 221. The Drama in England, 1640-1770.**—**3 s.h.** PROFESSOR BAUM
[Not offered in 1934-1935]
- 225-226. Studies in Victorian Literature.**—This course considers in an intensive way the works of some of the most important writers of the period. **6 s.h.** PROFESSOR BAUM
- 227. Literary Criticism.**—A history of literary criticism to 1700. **3 s.h.** PROFESSOR GILBERT
- 228. Literary Criticism.**—A history of literary criticism from 1700 to the present. **3 s.h.** PROFESSOR GILBERT
- 229-230. American Literature, 1800-1870.**—Seniors must have credit for English 137-138. **6 s.h.** PROFESSOR HUBBELL
- 231-232. Special Studies in American Authors.**—The authors studied in 1934-1935 are Emerson and Whitman. **6 s.h.** ASSOCIATE PROFESSOR GOHDES

FOR GRADUATES

- 301. Bibliography and Methods of Research.**—This course or its equivalent is required of all candidates for higher degrees in English. *M.W.* 3-4:30. **3 s.h.** PROFESSOR GILBERT
- 303-304. The Elizabethan Period.**—This course considers in an exhaustive manner the works of some of the Elizabethan writers. **6 s.h.** PROFESSOR GILBERT
[Not offered in 1934-1935]
- 305. The Early Renaissance.**—A seminar in the literature and language of the early Renaissance in England and Scotland. **3 s.h.** PROFESSOR BAUM
[Not offered in 1934-1935]
- 307-308. Southern Literature and Culture.**—A seminar. **6 s.h.** PROFESSOR HUBBELL.
[Not offered in 1934-1935]
- 309. Chaucer.**—Special studies in the works and language of Chaucer; lectures, reports, and a thesis. **3 s.h.** PROFESSOR BAUM
[Not offered in 1934-1935]

313-314. Studies in the Romantic Writers of the Early Nineteenth Century.—
 In this course an exhaustive study is made of some Romantic writers;
 those studied in 1934-1935 are not the same as those studied in 1933-1934.
6 s.h. PROFESSOR WHITE

GERMAN LANGUAGE AND LITERATURE

FOR SENIORS AND GRADUATES

- 201-202. Goethe.**—6 s.h. PROFESSOR KRUMMEL
- 203-204. Leibnitz to Romanticism.**—6 s.h. PROFESSOR VOLLMER
 [Not offered in 1934-1935]
- 205-206. Middle High German.**—6 s.h. PROFESSOR VOLLMER
 [Not offered in 1934-1935]
- 207-208. German Romanticism.**—6 s.h. PROFESSOR VOLLMER
 [Not offered in 1934-1935]
- 209-210. Nineteenth-Century Drama.**—6 s.h. PROFESSOR KRUMMEL
- 211-212. Heinrich Heine.**—6 s.h. PROFESSOR VOLLMER
- 213-214. Nineteenth-Century Political Literature, 1870-1914.**—6 s.h.
 PROFESSOR VOLLMER

FOR GRADUATES

- 301-302. Gothic—Old High German.**—6 s.h. PROFESSOR VOLLMER

GREEK

FOR SENIORS AND GRADUATES

- 201-202. Greek Drama.**—Selected plays are read, and their dramatic
 construction and distinctive features are discussed. **6 s.h.**
 PROFESSOR PEPLER
- 203-204. Homer.**—*Odyssey*. **Pindar and Bacchylides.** 6 s.h.
 PROFESSOR PEPLER
- 205-206. Greek Historians.**—Herodotus, Books VII and VIII; Thucy-
 dides, Books VI and VII. **6 s.h.** PROFESSOR PEPLER
- 207-208. Greek Orators.**—Selected speeches. **6 s.h.**
 PROFESSOR PEPLER
- 209-210. Plato.**—*Symposium*, *Protagoras*, and parts of the *Republic*.
6 s.h. ASSISTANT PROFESSOR WAY
- 211-212. Aristophanes.**—Selected comedies. **6 s.h.**
 PROFESSOR PEPLER
 (Only one of the six courses listed above is offered each year.)

243. Athenian Topography.—The topography and monuments of ancient Athens. **3 s.h.** ASSISTANT PROFESSOR WAY

244. Greek Epigraphy.—Lectures on the history of the alphabet and the development of the local Greek alphabets, followed by extensive reading of inscriptional texts in facsimile. **3 s.h.** ASSISTANT PROFESSOR WAY

245. Greek Dialects.—A linguistic study of transliterated inscriptions illustrative of the major Greek dialects. The interrelations of the dialectal forms are examined, with reference, where possible, to their origin in pro-ethnic Greek. **3 s.h.** ASSISTANT PROFESSOR WAY

246. Greek Historical Inscriptions.—The more valuable historical inscriptions are read in chronological order and interpreted in their general bearing upon the course of Greek history. Course 131 is prerequisite. **3 s.h.** ASSISTANT PROFESSOR WAY

247-248. Greek Archaeology.—Advanced course in the general field for seniors and graduates, comprising architecture, sculpture, vases, and the minor arts. **6 s.h.** ASSISTANT PROFESSOR WAY

(Of the courses numbered from 243 to 248 only two semester-courses are offered each year.)

FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in *Aristophanes* (course 301-302), the *Greek Historians* (303-304), the *Attic Orators* (305-306), and the *Greek Tragic Poets* (307-308). These run through a cycle of four years. In 1934-1935 the work will be

301-302. Seminar in Aristophanes.—**6 s.h.** PROFESSOR PEPPLER

Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,400. They are awarded mainly on the basis of examinations held in the beginning of March of each year.

HISTORY

AMERICAN HISTORY

FOR SENIORS AND GRADUATES

203. The Union, Confederacy, and Reconstruction.—The subjects considered are the rise of secession, the constitutional and economic problems of the Union and Confederacy, and the political and economic adjustments during reconstruction. **3 s.h.** PROFESSOR BOYD

[Not offered in 1934-1935]

209-210. Constitutional History of the United States, 1763-1860.—Among the subjects considered are the issues and nature of the Revolution, the problems of the confederation, the nature of the constitution in the light of its early interpretations, the rise of political parties, sectionalism and its attendant political and economic interests, and the slavery controversy. **6 s.h.**
PROFESSOR BOYD

[Not offered in 1934-1935]

215-216. History of the Foreign Relations of the United States.—This course traces the history of American Diplomacy since 1789. Prerequisite, courses 91 and 92. **6 s.h.**
PROFESSOR RIPPY

208. Studies in the Social History of the United States.—3 s.h.

PROFESSOR SHRYOCK

230. The History of North Carolina.—The evolution of the commonwealth from its origins to the present is traced with particular emphasis on social conditions and the recent period. **3 s.h.**
PROFESSOR BOYD

[Not offered in 1934-1935]

231. The Hispanic Colonies of the New World.—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines **3 s.h.**
DR. LANNING

233-234. The Hispanic-American Republics.—A survey of the political, economic, and social development of the Hispanic-American nations since the beginning of the movement for independence in 1810. Considerable attention is also given to the foreign commerce and foreign relations of these nations. **6 s.h.**
PROFESSOR RIPPY

[Not offered in 1934-1935]

FOR GRADUATES

306. Southern History, 1763-1860.—The rôle of the South in American political and social development is traced with special reference to local conditions, state and regional. Among the topics emphasized are political ideals and political parties, southwestern expansion, cotton culture and slavery, local sectionalism, transportation, education, the churches, and the movement for secession. *M.* 4-6. **4 s.h.**
PROFESSOR BOYD

307. The Colonial Period, 1606-1763.—Emphasis is placed on certain typical institutional and social origins and the development of British policy toward the colonies. *M.* 4-6. **4 s.h.**
PROFESSOR BOYD

[Not offered in 1934-1935]

315. Seminar in Southern History.—Selected topics in the development of the South Atlantic region, chosen from year to year, in different periods in its development. *W.* 4-5. **2 s.h.**

PROFESSORS BOYD AND SHRYOCK

321. Studies in the Diplomatic History of the United States.—A research course, open to students approved by the instructor. The aim is to give a familiarity with the sources and literature of South-American diplomatic relations and to investigate related topics in chosen fields from year to year. These fields are (a) Independence Movement of Latin America, (b) Latin-American Foreign Relations, and (c) Sectionalism and American Foreign Relations. *IV. 4-6. 4 s.h.* PROFESSOR RIPPY

EUROPEAN HISTORY

FOR SENIORS AND GRADUATES

205-206. English Constitutional History.—After a brief review of the Anglo-Saxon period a detailed study is made of those medieval institutions which form the basis of the British constitution. This is followed in the second semester by a general survey of the changes wrought in English political history during the seventeenth and eighteenth centuries, the main lines of constitutional development since 1800, and an outline of the British government as it exists today. **6 s.h.**

PROFESSOR LAPRADE

[Not offered in 1934-1935]

217-218. Europe since 1870.—International relations since the Franco-German War is the chief subject of study in this course; special emphasis is placed upon the underlying economic and political influences. **6 s.h.**

ASSOCIATE PROFESSOR CARROLL

219-220. The History of the European Proletariate.—This course is concerned chiefly with the origins, expansions, and organization of the industrial working classes of Europe. The following problems are emphasized: the decline of serfdom, the growth of an urban working class and social revolutions in England, France, and Germany prior to the eighteenth century, the results of the Industrial Revolution, and labor movements and theories during the nineteenth and twentieth centuries. **6 s.h.**

ASSOCIATE PROFESSOR CARROLL

[Not offered in 1934-1935]

221-222. The Age of the Renaissance.—The decline of characteristic features of medieval civilization and the rise of modern European institutions with particular attention to intellectual movements from Dante to Erasmus. **6 s.h.**

ASSISTANT PROFESSOR NELSON

[Not offered in 1934-1935]

223-224. Medieval Institutions and Culture.—A consideration of the classical heritage, the Germanic infusion, development of ecclesiastical, feudal, monarchical, and communal institutions, relations of Church and State, the rise of universities, vernacular literatures, philosophy, and art, in the period 300-1300 A.D. **6 s.h.**

ASSISTANT PROFESSOR MACKAY

225-226. The Age of the Reformation.—A survey of European civilization from 1500 through the Peace of Westphalia. **6 s.h.**

ASSISTANT PROFESSOR NELSON

FOR GRADUATES

305. A Seminar in the History of England and the British Empire.—The work consists of practical training in the methods of historical research based on sources for modern British history. *F. 7-8. 2 s.h.*

PROFESSOR LAPRADE

317. A Seminar in Recent European History.—2 s.h.

ASSOCIATE PROFESSOR CARROLL

325. British Nationality and Public Opinion.—A study of the various political and social groups that have contended for power in England since the sixteenth century and the methods they used. *T. 4-6. 4 s.h.*

PROFESSOR LAPRADE

327. Modern Phases of the English Constitution.—A brief review of the medieval constitution, followed by a more intensive study of certain aspects of its development in the sixteenth, seventeenth, and eighteenth centuries. *4 s.h.*

PROFESSOR LAPRADE

[Not offered in 1934-1935]

328. Foundations of the British Empire.—The growth of the British trade and colonization in the sixteenth, seventeenth, and eighteenth centuries, including the causes in Great Britain of the American Revolution. *T. 4-6. 4 s.h.*

PROFESSOR LAPRADE

[Not offered in 1934-1935]

THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. The Teaching of History and Civics.—The work consists of a discussion of the question of aims and values in teaching history and civics, textbooks, programs of study, methods of instruction, the use of maps and pictures, the making of lesson-plans for use in the high school, and other problems of high school teaching. *Hours to be arranged. First semester. 3 s.h.*

DR. MANCHESTER

BIBLIOGRAPHY

FOR GRADUATES

326. Historiography and Bibliography.—A survey of the development of historical writing, an examination of the greater collections of historical sources, and a consideration of the inter-relationship of history and other branches of social knowledge. *2 s.h. Hours to be arranged.*

MEMBERS OF THE DEPARTMENT

[Not offered in 1934-1935]

LATIN AND ROMAN STUDIES

While the degree of Master of Arts may be attained in one academic year, it is highly desirable that prospective candidates attend a six weeks term of the Summer School first. A satisfactory working knowledge of German and French is a necessity for graduate students in Classics. At present Greek, French, Philosophy, and English are the most suitable minors for Latin majors, though the student is not limited to these fields. All candidates for the Master of Arts degree are required to take the Latin Seminar, and candidates for the doctorate shall be required to take at least two seminars in Latin and one in the minor subject.

FOR SENIORS AND GRADUATES

201. Roman Fiction.—

[Not offered in 1934-1935]

202. Early Latin Christian Writers.—

[Not offered in 1934-1935]

203-204. Roman Epic Poetry.—The development and significance of the Epic in Latin Literature, with considerable reading in the Roman epic poets. **6 s.h.** ASSISTANT PROFESSOR GATES

205-206. Roman Drama.—Select comedies of Plautus and Terence, and select tragedies of Seneca. **6 s.h.**

PROFESSOR ANDERSON OR ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy.—

[Not offered in 1934-1935]

209-210. Vulgar Latin and Introduction to Romance Philology.—Prerequisites, Latin 41-52, or an equivalent, and not less than two years of college French or college Spanish, exclusive of a beginner's course. **6 s.h.**

PROFESSOR ROSBOROUGH

215. Introduction to Roman Art and Archaeology.—Principles; relation to Etruscan and Greek art; Rome's progress in art and architecture, her contribution to world art; illustrated lectures, discussions, reports. *No knowledge of Latin required for admission.* **3 s.h.**

Note: *Approved Juniors may be admitted.* PROFESSOR ROSBOROUGH

216. Topography and Monuments of Ancient Rome.—A study of the site of Rome, its development and expansion; city plan; public buildings, dwelling houses, aqueducts, sewers, fora, theaters, shops, etc. **3 s.h.**

PROFESSOR ROSBOROUGH

FOR GRADUATES

301-302. Roman Life.—

[Not offered in 1934-1935 unless instead of course 216.]

PROFESSOR ROSBOROUGH

309-310. Sight Reading and Composition.—

[Not offered in 1934-1935]

311-312. Latin Epigraphy.—

[Not offered in 1934-1935]

321-322. Seminar in Plautus.—

[Not offered in 1934-1935]

325-326. Linguistics.—

[Not offered in 1934-1935]

331-332. Roman Historical Literature.—

[Not offered in 1934-1935]

341-342. The Alexander Romance.—

[Not offered in 1934-1935]

351-352. Seminar in Martial.—

[Not offered in 1934-1935]

361-362. Seminar in Horace.—Training in criticism and research based on Horace. 6 s.h. PROFESSOR ANDERSON

MATHEMATICS

The department offers basic courses in each of the main divisions of mathematics; namely, algebra, analysis, geometry, and applied mathematics.

Because of the important mathematical literature which is written in the French and German languages, all students taking graduate work in mathematics should have a practical reading knowledge of these languages near the beginning of their graduate study.

As the Ph.D. degree is a research degree the original dissertation is the most important of the formal requirements. A candidate for the Ph.D. degree should have in mind the dissertation requirement from the outset and plan his courses accordingly.

The master's degree with major in mathematics will be awarded primarily on the basis of scholarship. For it the thesis may be an exposition of results already known. Each candidate for the master's degree must take a group of basic courses approved by the department.

Graduate students are expected to have undergraduate credit for a number of the courses listed below before they begin their program of graduate work. Students who have not had any of these courses and who desire to become candidates for the master's degree must take at least six semester-hours of such work in addition to the general requirements specified for this degree. This work should be done in the summer session prior to the year of residence.

Not all the courses listed will be given every year.

FOR SENIORS AND GRADUATES

201. History of Mathematics.—This course deals with the evolution of the following topics: number system, arithmetic, geometry, algebra, trigonometry, analytical geometry, calculus, modern geometry. Brief sketches of the lives of the builders of mathematics will be given. **3 s.h.** (w)

PROFESSOR RANKIN

***204. The Teaching of Mathematics.**—A study of the fundamental processes in mathematics, the literature on mathematics, methods of study, content of courses, special features, applications, correlation of different branches of mathematics. **3 s.h.** (w)

PROFESSOR RANKIN

Prerequisite, course 100 unless the two are taken simultaneously.

207. Fundamental Concepts of Algebra and Geometry.—This course deals with the concepts: number, variable, function, limit, group, symbolism, definition, postulate, axiom, proposition, space, and proof. **3 s.h.**

PROFESSOR RANKIN

Prerequisite, course 100.

225. Theory of Equations and Determinants.—**3 s.h.**

ASSISTANT PROFESSOR THOMAS

Prerequisite, course 55.

226. Galois Theory of Equations.—The notion of a field. Properties of finite groups. The group of an equation over a field. Criteria for solvability by means of radicals. **3 s.h.** (w)

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 225.

228. Number Theory.—A study of elementary properties of integers; operations with respect to a modulus; theorems of Fermat and Wilson. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

Prerequisite, course 100.

229. Theory of Algebraic Numbers.—Ideals and unique factorization. Divisors of the discriminant. Determination of the class number. **3 s.h.** (w)

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 225.

231. Differential Equations.—A study of the more common types of ordinary differential equations. Primarily a problem course for engineers. **3 s.h.**

PROFESSOR ELLIOTT

Prerequisite, course 100.

235-236. Modern Higher Algebra.—A study of linear dependence and the solution of a set of linear equations. Study of matrices, linear transformations, invariants of linear transformations, and bilinear forms. **6 s.h.**

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 55.

* This course carries graduate credit only for students whose major subject is education.

239-240. Advanced Calculus.—This course is a study of the processes of the calculus, their meanings and applications. It is designed to furnish a necessary preparation for advanced work in analysis and applied mathematics. **6 s.h.**

PROFESSOR ELLIOTT

Prerequisite, course 100.

250. Modern Geometry.—Modern geometry of the triangle, transversals, harmonic sections, harmonic properties of the circle, inversions, poles, polars, etc. Valuable to teachers of high-school geometry. **3 s.h.**

PROFESSOR RANKIN

Prerequisite, course 55.

252. Non-Euclidean Geometry.—An introduction to the geometry of Bolyai and Lobachevsky. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

Prerequisite, course 100.

255-256. Projective Geometry.—The elements of projective geometry treated synthetically. Introduction to homogeneous coordinates with application to projective geometry. Study of different types of collineations. **6 s.h.**

ASSISTANT PROFESSOR THOMAS

Prerequisite, course 55.

259-260. Analytic Geometry of Space.—The usual topics treated in cartesian and homogeneous coordinates. An introduction to differential geometry is included. **6 s.h. (w)**

PROFESSOR ELLIOTT

Prerequisite, course 55.

275. Probability.—Introductory course. Combinatory analysis, mean values, Bernoulli's theorem, the probability integral and statistics. **3 s.h.**

ASSISTANT PROFESSOR MILES

Prerequisite, course 100.

276. Probability.—Continuation of course 275. Geometrical probability, probability of causes, theory of errors and applications **3 s.h. (w)**

ASSISTANT PROFESSOR MILES

280. Fourier's Series and Spherical Harmonics.—The properties of Fourier's series and spherical harmonics with application to problems of mathematical physics. *Either semester.* **3 s.h.**

ASSISTANT PROFESSOR DALE

Prerequisite, course 100.

281. Elementary Potential Theory.—Fields of force; Newtonian potentials due to volume and to surface distributions. Primarily for students who are interested in mathematical physics. **3 s.h.**

ASSISTANT PROFESSOR MILES

Prerequisite, course 100.

284. Vector Analysis.—This course is a study of the different vector products and the calculus of vectors, with applications to geometry and mechanics. **3 s.h.**

PROFESSOR ELLIOTT

Prerequisite, course 100.

FOR GRADUATES

325-326. Functions of a Real Variable.—A study of continuous functions, sequences of functions, measure of point sets, and elementary theories of integration.

ASSISTANT PROFESSOR ROBERTS

Prerequisite, course 240.

327-328. Modern Theories of Integration.—A study of Lebesgue and Stieltjes integrals, with applications to boundary value problems. **6 s.h.**

ASSISTANT PROFESSOR MILES

Prerequisite, course 239-240.

330-331. Theory of Functions of a Complex Variable.—Study of analytic functions; conformal representation; the theory of infinite series and products with application to hyperbolic and Gamma functions, study of doubly periodic functions. **6 s.h.**

ASSISTANT PROFESSOR HICKSON

Prerequisite, course 239-240.

332. Elliptic Functions.—The Weierstrass elliptic function. The Jacobi functions. The theta functions, and their application to the theory of numbers. **3 s.h.**

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 239-240.

333-334. Analytic Theory of Numbers.—Distribution of primes. Primes in an arithmetic progression. The Waring and Goldbach problems. **6 s.h.**

ASSISTANT PROFESSOR CARLITZ

Prerequisite, course 325-326.

335-336. Infinite Series.—The theory of convergence and the algebraic and functional properties of series; special types of series; infinite products; divergent series. **6 s.h.**

ASSISTANT PROFESSOR DALE

Prerequisite, course 239-240.

337-338. Existence Theorems.—Both systems of partial differential equations and Pfaffian systems are discussed. Particular attention is given to the theorems of Cauchy, Riquier, and Cartan, and to singular integral varieties whose existence is not predicted by them. **6 s.h.**

ASSISTANT PROFESSOR THOMAS

Prerequisite, course 239-240.

340-341. Integral Equations.—A study of the Volterra and Fredholm integral equations with special reference to their application to boundary problems of differential equations. **6 s.h.**

PROFESSOR ELLIOTT

Prerequisites, courses 231 and 239-240.

342-343. Theory of Differential Equations.—Existence and nature of solutions of ordinary differential equations, algebraic theory of linear differential systems, boundary problems. **6 s.h.**

PROFESSOR ELLIOTT

Prerequisites, courses 231 and 239-240.

345-346. Calculus of Variations.—This course will take up the study of the calculus of variations after the methods of Euler, Jacobi, Weirstrass, and Bolza. **6 s.h.**

ASSISTANT PROFESSOR HICKSON

Prerequisites, courses 231 and 239-240.

350-351. Differential Geometry.—An elementary course in differential geometry. A study of the differential geometry of curves, surfaces, and curves on surfaces. **6 s.h.**

ASSISTANT PROFESSOR THOMAS

Prerequisites, courses 231 and 239-240.

355. Algebraic Geometry.—The general theory of algebraic curves with applications to cubic curves. Study of certain types of transformations. **3 s.h.**

ASSISTANT PROFESSOR DALE

Prerequisite, course 255.

375-376. Partial Differential Equations.—A study of some of the important types of differential equations of mathematical physics. **6 s.h.**

ASSISTANT PROFESSOR MILES

Prerequisites, courses 231 and 239-240.

380-381. Potential Theory.—Properties of harmonic functions. Boundary value problems for potentials of a single and of a double layer. **6 s.h.**

ASSISTANT PROFESSOR MILES

Prerequisite, course 325-326, unless the two courses are taken simultaneously.

PHILOSOPHY

FOR SENIORS AND GRADUATES

201-202. The Philosophy of Art.—Study of the various phases of the aesthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on aesthetics. Lectures, discussion, and reports. *M.W. fifth period.* **6 s.h.** (E)

PROFESSOR GILBERT

203. The Philosophy of Conduct.—This course attempts a critical inquiry into the fundamental concepts and principles of human conduct, approached from the standpoint of nature, psychology, and philosophy. It analyzes the content of moral consciousness, and seeks to find the laws that rule in the realm of virtue and finally to discover the ultimate nature of the right. Lectures and textbooks. Text used: Everett's *The World of Values*. *Fourth period, T.Th. S.* **3 s.h.** (W)

PROFESSOR CRANFORD

204. Christian Ethics.—This course attempts a critical inquiry into the fundamental concepts and principles of conduct in the light of Christianity. It seeks to show the practical application of these concepts and principles in a doctrine of Christian virtue and duties. Lectures and textbook. Text used: Smythe's *Christian Ethics*. *Fourth period, T.Th.S.* **3 s.h.**

PROFESSOR CRANFORD

205. The Philosophy of History.—An inquiry into the logic and methodology of the knowledge of history, and into the metaphysical implications of history. Lectures, discussions, reports. *T.Th.* 10:40-11:55. **3 s.h.**

PROFESSOR WIDGERY

209-210. The Philosophy of Religion.—A critical consideration of the data of empirical religion and the constructive development of a modern philosophy of religion. Lectures, discussions, reports. *T.Th.* 2-3:15 p.m.

6 s.h. (w)

PROFESSOR WIDGERY

211-212. The History of Philosophy.—The history of European philosophical speculation from its rise among the Greeks to the middle of the nineteenth century. Lectures, study of texts, reports. **6 s.h.** (w)

PROFESSOR WIDGERY

[Not offered in 1934-1935]

213-214. History of Aesthetics.—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. General theories will be illustrated and tested by examples from the arts. Reading and discussion. *M.W.* 2:15-3:30 p.m.

6 s.h. (E)

PROFESSOR GILBERT

[Not offered in 1934-1935]

216. Contemporary Philosophy.—A study of the leading philosophical movements in Europe and America in the last fifty years. Lectures, discussions, and reports. *T.Th.* 10:40-11:55. **3 s.h.**

PROFESSOR WIDGERY

221. Spinoza.—Detailed study of Spinoza's works showing the development of his own thought and his relation to his contemporaries. Lectures and reports. *M.W.F.* third period. **3 s.h.** (w)

PROFESSOR GILBERT

223-224. Idealism and Rationalism.—A survey of idealistic systems of philosophy, with chief emphasis on the more recent developments in idealistic thinking. Lectures and assigned readings with reports. *T.Th.S.* third period. *M.W.F.* second period. **6 s.h.**

PROFESSOR CRANFORD

226. Outlines of the History of Ethics.—**3 s.h.**

PROFESSOR WIDGERY

[Not offered in 1934-1935]

227. Hegel.—A study of a selection of the texts together with recent interpretations. Lectures and reports. *M.W.F.* third period. **3 s.h.**

PROFESSOR GILBERT

[Not offered in 1934-1935]

FOR GRADUATES

301-302. Seminar in Philosophy.—For the discussion of special problems, chiefly metaphysical. Two hours a week throughout the year. Time to be arranged. **4 s.h.**
PROFESSOR WIDGERY

303. Seminar in the History of Modern Philosophy.—Selected texts, with readings in German and French. Two hours a week throughout the year. **4 s.h.**
PROFESSOR WIDGERY

[Not offered in 1934-1935]

PHYSICS

FOR SENIORS AND GRADUATES

The following courses are arranged primarily for senior students, but they are open to graduate students. An elementary knowledge of the calculus and credit for 12 semester-hours in Physics is presumed in all of the following courses.

201-202. Principles of Radio Transmission and Reception.—A course covering the general theory of wave propagation and including a study of inductance, capacity, induction coils, oscillatory discharge, high frequency generators and transformers, and the various methods of detecting electro-magnetic waves. **6 s.h.**
DR. MOUZON

Prerequisite, Physics 53 or equivalent.

203-204. Analytical Mechanics.—Geometry of motion; kinematics of a particle and of a rigid body; statics, kinetics of a particle and of a rigid body; relative motion; general principles of mechanics. **6 s.h.**

DR. MOUZON

205-206. Physical Optics.—This course deals with interference, diffraction, polarization, absorption, dispersion; in general it will cover those topics treated in a text such as Woods's *Physical Optics*. Two lectures and one three-hour laboratory period per week. **6 s.h.**

PROFESSOR HATLEY

207-208. Electricity and Magnetism.—This course covers the fundamental phenomena of direct and alternating currents and magnetism. Page and Adams' *Electricity and Magnetism* is used as a basis for the lectures. Three lectures per week, throughout the year. **6 s.h.**

ASSISTANT PROFESSOR CONSTANT

209. Thermodynamics.—Thermodynamics is the science on which the physico-chemical sciences are based. This introductory course deals with basic principles freed from all unnecessary complications. **3 s.h.**

ASSISTANT PROFESSOR NIELSEN

210. Introduction to the Quantum Theory.—A survey of the experimental evidence on which is based the quantum theory. Planck's theory of quanta and the distribution of energy in the black body spectrum; the Bohr theory of the hydrogen spectrum; Sommerfeld's quantum conditions; atomic and molecular spectra; Compton effect; elements of wave mechanics; and other related topics. **3 s.h.**

ASSISTANT PROFESSOR CONSTANT

Prerequisite, Physics 209.

211-212. History of Physics.—A rapid review of the fundamental laws of physics developed from the historical point of view. First or second semester. **2 s.h.**

PROFESSOR EDWARDS

FOR GRADUATES

301-302. Advanced Physical Laboratory.—Mechanics, heat, radiation, electrical measurements, ionization, radioactivity, and high vacua. This course involves exact measurements in all fields indicated. Classical experiments are repeated by much the same methods as were employed by the original investigators. Two laboratory periods and one conference period per week.

ASSISTANT PROFESSOR CONSTANT

303-304. Kinetic Theory of Matter.—Gas laws, Maxwell's distribution law, mean free path, viscosity, heat conductivity, diffusion, gases at low pressure. **6 s.h.**

ASSISTANT PROFESSOR NIELSEN

307-308. Light.—**6 s.h.**

PROFESSOR HATLEY

311. Conduction of Electricity through Gases.—Electron theory of conduction through gases; spark and glow discharges, electric arcs, excitation of spectra, energy levels, radioactive radiations. **3 s.h.**

PROFESSOR EDWARDS

312. Spectroscopy.—First, a study is made of the physics and the adjustments of the various types of instruments to be used in the course. This is followed by a consideration of the methods employed in exciting the various types of spectra in the sensitization of plates, in the photography of the optical spectrum, in the study of line intensities, and in the computation of wave lengths from photographs of spectra. **3 s.h.**

PROFESSOR EDWARDS

313-314. Thermionic Vacuum Tubes and Radio-Frequency Measurements.—A laboratory course in radio measurements. **6 s.h.**

DR. MOUZON

Prerequisite, Physics 201-202.

315-316. Principles of the Quantum Theory.—The origin and fundamental concepts of the quantum theories. The mechanics and principles of the Bohr-Sommerfeld theory are followed by those of the more recent theories of wave and matrix mechanics, as developed by De Broglie, Schrodinger, Heisenberg, Born, Jorgan, and Dirac. To alternate with Physics 321-322. *N.W.F. at 9:40.* **6 s.h.**

ASSISTANT PROFESSOR CONSTANT

317. Advanced Dynamics.—A course dealing with the more advanced phases of dynamics and considering such topics as equations of Lagrange and Hamilton generalized coördinates, oscillatory and cyclic motion, criteria of equilibrium, and the Newtonian potential theory. **3 s.h.**

DR. MOUZON

Prerequisites, Mathematics 231, 239, 240, and Physics 203-204.

320. X-rays.—The properties of X-rays are interpreted in terms of the interaction between radiation and electrons. An effort is made to gain from a study of available X-ray data a better understanding of the structure of the atom and of the nature of X-rays themselves. Second semester. **3 s.h.**

PROFESSOR HATLEY

321-322. Electrodynamics.—A theoretical study of electromagnetic fields based on the special theory of relativity. The fundamental laws of electricity and magnetism are deduced, and the field, motion and radiation of a moving electron are studied. Application to recent experiments are included. A short introduction to vector analysis is given. **6 s.h.**

ASSISTANT PROFESSOR CONSTANT

323. Theory of Atomic Spectra.—A study of the structure of atomic spectra. **3 s.h.**

ASSISTANT PROFESSOR NIELSEN

324. Theory of Molecular Spectra.—A study of the structure of molecular spectra. **3 s.h.**

ASSISTANT PROFESSOR NIELSEN

325. Statistical Mechanics.—Comparison of the methods of ordinary and statistical mechanics, properties of statistical ensembles will be discussed with applications to the Maxwell-Boltzmann distribution law, equipartition of energy, entropy, and thermodynamic probability. Modifications brought about by quantum theory will be introduced and applied to the emission and absorption of radiation and collisions of the first and second kinds. **3 s.h.**

ASSISTANT PROFESSOR NIELSEN

327-328. A Survey of Physics.—An advanced course in general physics which covers such topics as alternating current theory, electron theory, kinetic theory of gases, thermionics, photo-electric effect, X-rays, Bohr's theory of spectra, periodic law and atomic structure, critical potential, radio, television, radioactivity and isotopes, specific heats, supersonics, quantum theory and De Broglie waves. This course is open to students who major in Physics. **6 s.h.**

PROFESSOR HATLEY

329. Introduction to Mathematical Physics.—This course provides a unified treatment of some of the important branches of mathematics used in physics with physical emphasis throughout. Among the topics discussed are the applications of vector analysis, of ordinary partial differential equations, Fouriers Series and Spherical Harmonics with special reference to periodic vibrations, wave motion, and the conduction of heat and electricity. **3 s.h.**

ASSISTANT PROFESSOR CONSTANT

Prerequisites, Mathematics 280, 284, and Mathematics 375 may be taken concurrently.

351-352. Physics Seminar.—A discussion of topics in Nuclear Physics.
2 s.h. DR. MOUZON

Courses in Electrical Engineering open to students in Physics desiring minor work in Electrical Engineering.

257. Principles of Electrical Engineering: Advanced Alternating Currents.—The algebra of vectors and complex quantities used in electrical engineering. An advanced course in alternating currents and alternating current circuits. 3 s.h. (E) PROFESSOR SCHEALER

Prerequisites, course 151-152, Mathematics 25, 30, and 231.

258. Principles of Electrical Engineering: Advanced Alternating Current Machinery.—An advanced course consisting of lectures, recitations, and laboratory tests, covering the principles underlying the construction and operation of alternating current machinery. A study of synchronous generators and motors, transformers, parallel operation of alternators, synchronous converters, polyphase, induction motors and single-phase induction series, and repulsion motors. 6 s.h. (E) PROFESSOR SCHEALER

Prerequisite, Engineering 257.

261-262. High-Frequency Alternating Currents.—An advanced course on principles of wire and wireless communication. A thorough study is made of the theory of coupled circuits, antenna radiation, wave propagation over metallic circuits, nature of speech and sound, vacuum tubes, vacuum tube circuits, and wire and wireless telephone circuits. 6 s.h. (E)

Prerequisite, Mathematics 231.

PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering with an introduction to the use of operational calculus as applied to electric circuits. 6 s.h. (E) PROFESSOR SEELEY

Prerequisites, Physics 151-152 and Mathematics 231.

POLITICAL SCIENCE

FOR SENIORS AND GRADUATES

207. American Constitutional Law and Theory.—A study of leading principles of American Government, as developed through judicial interpretation of the Constitution. The reading of cases is supplemented by lectures and assigned legal problems. 3 s.h. (w) PROFESSOR WILSON

209. State and Local Governments in the United States.—The subject matter of this course covers the historical development of state and local governments, their present political organization, their relation to each other and to the federal government. Special attention is given to state and county government in North Carolina. 3 s.h. (w)

PROFESSOR RANKIN

223. Political Thought to the Seventeenth Century.—A survey of political thought from the time of Plato and Aristotle to the close of the sixteenth century, with emphasis upon concepts of continuing importance in political theory. **3 s.h.** (w) PROFESSOR WILSON

[Not offered in 1934-1935]

224. Modern Political Theory.—Political theories of the seventeenth, eighteenth, and nineteenth centuries are studied, with particular reference to their influence upon modern political institutions. **3 s.h.** (w) PROFESSOR WILSON

[Not offered in 1934-1935]

225-226. Comparative Government.—This course, being a survey of government in modern states, deals particularly with the political systems of the British Empire, France, Germany, Italy, Japan, Russia, and Switzerland. **6 s.h.** (w) PROFESSOR RANKIN

227-228. International Law and International Organization.—Elements of international law, as evidenced in judicial interpretation and in international negotiations, with particular attention to interpretation and application by the United States. Certain international organizations are studied with special reference to their significance for international law. PROFESSOR WILSON

229. American Political Institutions.—A study of the formation and development of the institutions of the national government in the United States. Federal organs of government are treated historically and analytically. **3 s.h.** (w) PROFESSOR RANKIN

[Not offered in 1934-1935]

294. Municipal Government and Administration.—A study of the general problems relating to the structural system and activities of municipalities in the United States. Special reference is made to the problems of municipal government in North Carolina. **3 s.h.** (w) PROFESSOR RANKIN

PROFESSOR RANKIN

FOR GRADUATES

328. Seminar in International Law.—Open to students who have completed Course 227-228 or its equivalent, or who may be taking Course 227-228. **3 s.h.** (w) PROFESSOR WILSON

PROFESSOR WILSON

PSYCHOLOGY

FOR SENIORS AND GRADUATES

201. Social Psychology.—Lectures, readings, and reports. **2 s.h.**

[Not offered in 1934-1935]

PROFESSOR McDUGALL

202. Psychology of Aesthetics.—Lectures, readings, and reports. **3 s.h.**

ASSOCIATE PROFESSOR LUNDHOLM

207. Experimental Psychology.—Selected topics. Lectures, demonstrations, discussions, and reports. **3 s.h.** ASSISTANT PROFESSOR ZENER
[Not offered in 1934-1935]

208. Neurological Foundations of Psychology.—A comparative study of the neural basis of behavior. Lectures and laboratory. **4 s.h.**
ASSISTANT PROFESSOR ZENER

[Not offered in 1934-1935]

209. Advanced Laboratory Psychology.—An introduction to experimental techniques, with emphasis on individual problems in the laboratory. **4 s.h.**
ASSISTANT PROFESSOR ZENER

210. Physiological Psychology.—A consideration of those aspects of the physiology of the nervous system relevant to behavior. Lectures and reports. **3 s.h.**
ASSISTANT PROFESSOR ZENER

212. Introduction to and Critical Survey of Parapsychology (Psychical Research).—Lectures, demonstrations, and discussions. **1 s.h.**
ASSOCIATE PROFESSOR RHINE

215. Child Psychology.—Lectures with motion picture demonstrations of environmental forces in child behavior and development. **3 s.h.**
ASSISTANT PROFESSOR ADAMS

216. Seminar in Comparative Psychology.—Fundamental concepts; tropisms, instinct, gradients, regulations, evolutionary theories, etc. **2 or 3 s.h.**
ASSISTANT PROFESSOR ADAMS

[Not offered in 1934-1935]

217. Gestalt Theory.—Critical survey of principles and experimental contributions of the Gestalt school. **3 s.h.**
ASSISTANT PROFESSOR ADAMS

[Not offered in 1934-1935]

219. History of Psychology.—Lectures and prescribed readings. A survey of the development of thought on the major problems of psychology from the earliest times to the present day. **2 s.h.**
PROFESSOR McDUGALL

221. Psychology of Suggestion and Hypnosis.—Lectures, demonstrations, discussions, **2 s.h.** (Students admitted by consultation with instructor.)
ASSOCIATE PROFESSOR RHINE

[Not offered in 1934-1935]

223. Abnormal Psychology.—Lectures, readings, and demonstrations. **3 s.h.**
ASSOCIATE PROFESSOR LUNDHOLM

231-232. Introduction to Research.—Selected seniors only. **2 or 3 s.h.**
PROFESSORS McDUGALL AND STERN,* ASSOCIATE PROFESSORS LUNDHOLM AND RHINE, ASSISTANT PROFESSORS ADAMS AND ZENER

224. Laboratory Methods in Animal Psychology.—Lectures and laboratory. **3 s.h.**
ASSISTANT PROFESSOR ADAMS

FOR GRADUATES

302. Seminar in Abnormal Psychology.—**2 or 3 s.h.**
ASSOCIATE PROFESSOR LUNDHOLM

* For academic year 1934-1935.

305. Seminar.—2 or 3 s.h.

PROFESSOR McDOUGALL

303-304. Research.—Research conducted in coöperation with one or more of the instructors. 2 or 3 s.h.

PROFESSORS McDOUGALL AND STERN, ASSOCIATE PROFESSORS LUNDHOLM AND RHINE, ASSISTANT PROFESSORS ADAMS AND ZENER

306. Seminar in Child Psychology.—Development of speech, social behavior, eidetic imagery, and other special problems. 2 or 3 s.h.

ASSISTANT PROFESSOR ADAMS

[Not offered in 1934-1935]

307-308. Seminar.—2 or 3 s.h.

PROFESSOR STERN

309. Theory of Learning.—Lectures, demonstrations, and reports. 3 s.h.

ASSISTANT PROFESSOR ADAMS

RELIGION

NEW TESTAMENT

FOR SENIORS AND GRADUATES

213-214. The Beginnings of Christianity.—A survey course dealing with the background, the beginnings and the early history of Christianity. Special attention is given to the creation of the literature of the New Testament. *M.W.F. second period. 6 s.h.* PROFESSOR BRANSCOMB

217. The New Testament in Greek.—Rapid reading of the Greek text of the New Testament. Prerequisite, six semester-hours study of the Greek language. *T.Th.S. second period. 3 s.h.* DR. CLARK

218. Galatians and 1 Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. Prerequisite, New Testament 217 or its equivalent. *T.Th.S. second period. 3 s.h.* DR. CLARK

[Not offered in 1934-1935]

219. Life of Paul.—A study of Paul's life on the basis of the Acts and the epistles. Consideration is given to Paul as a man, the factors entering into his character, and his permanent contribution to the world. *M.W.F. second period. 3 s.h.* PROFESSOR MYERS

[Not offered in 1934-1935]

220. 1 Peter and the Gospel of John.—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. Prerequisite, New Testament 217 or its equivalent. *T. Th.S. second period. 3 s.h.* DR. CLARK

FOR GRADUATES

311. The Life and Teachings of Jesus.—Prerequisite, New Testament 213-214. *M.W.F. third period. 3 s.h.* PROFESSOR BRANSCOMB

312. New Testament Theology.—The religious teaching of the books of the New Testament. Prerequisite, New Testament 213-214. *M.W.F. third period. 3 s.h.* PROFESSOR BRANSCOMB

314. Romans, James and I John.—A detailed study of three different types of early Christian thought. The course will be based on the English text. Prerequisite, New Testament 213-214. *T.Th.S. fourth period. 3 s.h.* PROFESSOR BRANSCOMB

315. Judaism at the Beginning of the Christian Era.—A study of Judaism from the time of Ben Sirach to the writing of the Mishna. Prerequisite, New Testament 213-214. *Th.F.S. third period. 3 s.h.* PROFESSOR BRANSCOMB

316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite, New Testament 213-214. *Th.F.S. third period. 3 s.h.* DR. CLARK

317. Textual Criticism.—A study of the material for the reconstruction of the text of the New Testament, the principles of textual criticism and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. Prerequisite, New Testament 213-214 and six semester-hours study of the Greek language. **6 s.h.** PROFESSOR BRANSCOMB

411-412. Seminar.—The materials and methods for the investigation of New Testament problems, with individual research done under the direction of the members of the department. Admission by special permission. **4 s.h.** PROFESSOR BRANSCOMB

OLD TESTAMENT

FOR SENIORS AND GRADUATES

201-202. Introductory Hebrew.—A study in the Hebrew language. The reading of the first eight chapters of Genesis inductively. *T.Th.S. first period. 6 s.h.* PROFESSOR _____

203-204. Introduction to the Old Testament.—The origin, literary form, and contents of the books of the Old Testament in their historical setting. *M.W.F. first period. 6 s.h.* PROFESSOR RUSSELL

FOR GRADUATES

301. Old Testament Theology.—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite, Old Testament 203-204. *T.Th.S. third period. 3 s.h.* PROFESSOR RUSSELL

302. The Exegesis of Selected Books of the Old Testament.—The books to be studied will be chosen from the following list: Job, Second Isaiah, Zechariah, the Psalms. The study will be based on the English text. Prerequisite, Old Testament 203-204. *T.Th.S. third period. 3 s.h.* PROFESSOR RUSSELL

303. Old Testament Literature.—A study of the story-literary element in the Old Testament with reference to both form and content; and the elements and chief forms of Old Testament poetry, especially the Psalms. *T.Th.S. first period.* PROFESSOR RUSSELL

305-306. Pre-Mosaic Hebrew Religion.—Its historical portrayal in the Old Testament. Prolegomena to the study of Old Testament history and literature. No knowledge of Hebrew required. *M.W.F. fourth period.* 6 s.h. PROFESSOR _____

[Not offered in 1934-1935]

307-308. The Old Testament in Hebrew.—Parts of the Pentateuch are read during the first semester. Selections from the prophets are the basis for the study in the second semester. *M.W. at 4.* 6 s.h. PROFESSOR _____

309-310. Ancient Oriental History.—The aim of this course is to show the relations of Minoan, Philistine, Ancient Egyptian, and Assyro-Babylonian history and literature to the old Testament and to the early history of the Hebrews. *M.T.IV. first period.* 6 s.h. PROFESSOR _____

CHRISTIAN DOCTRINE

FOR GRADUATES

321. Introduction to the Science of Theology.—A consideration of theology as a branch of science and an indication of some of the results obtained through the use of the scientific method in theological investigation. *M.W.F. first period.* 3 s.h. PROFESSOR ROWE

322. The Content of Christian Doctrine.—A comprehensive survey of the leading doctrines of Christianity in the light of the religious thought and experience of the present age. *M.W.F. first period.* 3 s.h. PROFESSOR ROWE

323. Theology in Ancient and Medieval Christianity.—The history of Christian thought from the Greek Fathers to the Scholastics with special attention to the ecumenical creeds. Prerequisite, Christian Doctrine 321-322. *T.Th.S. fourth period.* 3 s.h. PROFESSOR ROWE

324. Theology in Modern Christianity.—The history of Christian thought from the beginning of the Reformation to the present time. Prerequisite, Christian Doctrine 321-322. *T.Th.S. fourth period.* 3 s.h. PROFESSOR ROWE

325. Soteriology.—A study of the Christian doctrine of salvation and a comparison of the various ways by which the saving power of God is thought to take effect in personal and social life. Prerequisite, Christian Doctrine 321-322. *T.Th.S. second period.* 3 s.h. PROFESSOR ROWE

326. Eschatology.—A study of "the last things" in the light of the Christian hope for the individual and for society with special emphasis upon personal immortality. Prerequisite, Christian Doctrine 321-322. *T.Th.S. second period.* 3 s.h. PROFESSOR ROWE

HISTORY OF RELIGION AND MISSIONS

FOR SENIORS AND GRADUATES

281. The Nature and Early Development of Religion.—Introduction to the early history of religion, the beliefs and practices of the more primitive peoples, and the religious life of the ancient world. *T.Th.S. third period. 3 s.h.*
 PROFESSOR CANNON

282. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. *T.Th.S. third period. 3 s.h.*
 PROFESSOR CANNON

283. Expansion of Christianity.—Apostolic missions, conquest of the Roman Empire, winning of northern Europe, the modern missionary era, status of missionary work in important areas, social aspects of missions, and missionary biography. *T.Th.S. second period. 3 s.h.*
 PROFESSOR CANNON

285. The Religions of Eastern Asia.—A study of the religious systems of China, Korea, and Japan. *T.Th.S. third period. 3 s.h.*
 PROFESSOR CANNON

[Not offered in 1934-1935]

286. The Religions of India.—A study of present day religious movements in India with special reference to Hinduism. *T.Th.S. third period. 3 s.h.*
 PROFESSOR CANNON

[Not offered in 1934-1935]

381. Ideas of God, Sin and Salvation in the Religions of the World.—Prerequisites, History of Religion and Missions 281 or 282. *M.W.F. second period. 3 s.h.*
 PROFESSOR CANNON

382. Ideas of the Future Life and Ethics in the Religions of the World.—Prerequisites, History of Religion and Missions 281 or 282. *M.W.F. second period. 3 s.h.*
 PROFESSOR CANNON

383. Buddhism.—India at the rise of Buddhism. Life of the Buddha and the teachings of early Buddhism. Development into the Hinayana and Mahayana schools, its spread and present condition in southern and eastern Asia. Prerequisites, History of Religion and Missions 282. *M.W.F. second period. 3 s.h.*
 PROFESSOR CANNON

[Not offered in 1934-1935]

384. Mohammedanism.—The life of Mohammed and the religion of Islam, special attention being given to the Koran and its teaching. The aim is to interpret Mohammedanism as a force today. Prerequisites, History of Religion and Missions 282. *M.W.F. second period. 3 s.h.*
 PROFESSOR CANNON

[Not offered in 1934-1935]

481-482. Seminar.—Problems of research in History of Religion and Missions. Open to advanced students on approval of the instructor. Prerequisite, six semester-hours in the department. Hours to be arranged. 4 s.h. PROFESSOR CANNON

CHURCH HISTORY

FOR SENIORS AND GRADUATES

233. Church History to the Reformation.—A survey of the growth of the Christian Church from the Apostolic Age to the Reformation. *M.W.F. third period.* 3 s.h. PROFESSOR GARBER

234. History of the Evangelical Movement.—Beginning with the Lutheran Reformation, this course traces the rise, growth, influence, and history to 1800 of the Calvinistic, Anglican, Reformed, Quaker, Baptist, and Methodist movements. *M.W.F. third period.* 3 s.h. PROFESSOR GARBER

FOR GRADUATES

333. Protestantism and Catholicism in Europe since 1800.—A comprehensive study of the religious situation in Europe in modern times, emphasizing the papacy in the age of nationalism, relations of church and state, German theology of the nineteenth century, and the Oxford movement. Prerequisite, Church History 233-234. *M.W.F. fourth period.* 3 s.h. PROFESSOR GARBER

[Not offered in 1934-1935]

334. The Church in America: the National Period.—Major emphasis is placed upon relations of church and state, steps toward Christian unity, the small sects, the Young People's Movement, Christian education, and modern theological issues. Prerequisite, Church History 233-234. *M.W.F. fourth period.* 3 s.h. PROFESSOR GARBER

335. Great Men of the Christian Church.—A study of outstanding individuals who have influenced the thought and program of the Christian Church. The life, work, and contributions of about twenty representative Christian leaders. Prerequisite, Church History 233-234. *M.W.F. fourth period.* 3 s.h. PROFESSOR GARBER

[Not offered in 1934-1935]

336. Religion in the Southern States since the Civil War.—A detailed study of the religious life of the southern people since 1865. Prerequisite, Church History 233-234. *M.W.F. fourth period.* 3 s.h. PROFESSOR GARBER

[Not offered in 1934-1935]

337. Methodism.—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. Prerequisite, Church History 233-234. *M.W.F. fourth period.* 3 s.h. PROFESSOR GARBER

431-432. Seminar.—Principles and Practice of Research. Investigation of selected topics. Students admitted only on permission of the instructor. Hours to be arranged. **4 s.h.** PROFESSOR GARBER

RELIGIOUS EDUCATION

FOR SENIORS AND GRADUATES

261. An Educational Approach to Religion.—A study in the educational theory of religion, including a discussion of the social, psychological, and theological aspects of moral and religious growth. *T.Th.S. fourth period.* **3 s.h.** PROFESSOR SMITH

262. Organization of Religious Education.—The development of a system of organization and administration based upon constructive educational theory, and embracing week-day as well as Sunday agencies of religious education. *T.Th.S. fourth period.* **3 s.h.** PROFESSOR SPENCE

263. Curriculum of Religious Education.—Educational conceptions of the curriculum; values and uses of current curricula; principles and technics of curriculum construction. *M.W.F. second period.* **3 s.h.** PROFESSOR SPENCE

264. Technic of Teaching Religion.—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. *M.W.F. second period.* **3 s.h.** PROFESSOR SPENCE

266. Educational Aspects of Worship.—A study of worship in its bearing upon the educational function of the Christian religion. Students admitted on consultation. *T.Th.S. fourth period.* **3 s.h.** PROFESSOR SMITH

FOR GRADUATES

362. Religious Education in Social Reconstruction.—Following the consideration of religious education as a social process, one or more major social issues in contemporary civilization will be critically examined from the standpoint of education's contribution toward social reconstruction. Prerequisites, three semester-hours in sociology and Religious Education 261 or its equivalent. *T.Th.S. at 3:30-4:45.* **3 s.h.** PROFESSOR SMITH
[Not offered in 1934-1935]

353-364. Religious Education and American Civilization.—A survey of the origin and growth of cultural values in the rise of American civilization, with a concomitant investigation of the educational processes of church and state in the shaping of moral and religious personality. Prerequisite, Religious Education 261 or its equivalent. *M.W.F. second period.* **3 s.h.** PROFESSOR SMITH

365. Seminar in Character Education and the State.—A study of the state as character educator, involving a critical examination of the ethical philosophy of the secular state, and of the modern theories and practices of character education. Prerequisite, Religious Education 261, or its equivalent. Hours to be arranged. **2 s.h.** PROFESSOR SMITH

366. Seminar in Philosophy of Religious Education.—A critical study of the basic concepts and theories underlying religious education. Prerequisite, Religious Education 261 or its equivalent. Hours to be arranged. **2 s.h.** PROFESSOR SMITH

381-382. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the department of religious education. Hours to be arranged. **4 s.h.** PROFESSOR SMITH

PSYCHOLOGY OF RELIGION

FOR SENIORS AND GRADUATES

275. Introduction to the Psychology of Religion.—Study of the major factors of religious experience, together with conditions bearing upon its genesis and growth. *T.Th.S. first period.* **3 s.h.** PROFESSOR HICKMAN

276. Advanced Psychology of Religion.—Psychological study of such problems as worship, prayer, and various types of belief. Some attention to special problems. Prerequisite, Psychology of Religion 275 or its equivalent. *T.Th.S. first period.* **3 s.h.** PROFESSOR HICKMAN

FOR GRADUATES

371. The Genetic Psychology of Religion.—Principles of genetic psychology as they relate to the growth of religious experience. Prerequisite, Psychology of Religion 275 or its equivalent. *M.W.F. third period.* **3 s.h.** PROFESSOR HICKMAN

[Not offered in 1934-1935]

372. Mysticism in Religion.—Study of historical development of mystical phases of Christianity. Effort to determine the abiding worth of mystical tendencies in religious experience. Prerequisite, Psychology of Religion 275 or its equivalent. *M.W.F. third period.* **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

373. Pastoral Psychology.—Study of basic psychological and psychiatric principles pertaining to the understanding and care of cases necessarily dealt with in pastoral work. Hours to be arranged. **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

377-378. Seminar: Theories of Self.—Bearing of psychological theories of self upon religious theory. For advanced students in philosophy, psychology, or psychology of religion. Hours to be arranged. **4 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

HOMILETICS AND PRACTICAL THEOLOGY

FOR SENIORS AND GRADUATES

251. The Rural Church and Sociology.—A study of the religious, social, educational, and economic conditions of the country; the historical development of the church in the midst of rural social relations; an attempt to discover the present obligation of the church. *T.Th.S. first period. 3 s.h.* PROFESSOR ORMOND

252. Rural Church Administration.—This course will deal with the functions of the rural church; the minister's attitude toward rural life, his mission to the rural people, as well as his service in managing the organization and of supervising the church program. *T.Th.S. first period. 3 s.h.* PROFESSOR ORMOND

FOR GRADUATES

344. Psychology of Preaching.—A psychological study of the preaching motive, the relation of the preacher to his congregation, and the relation of the preacher to society in general. *M.W.F. third period. 3 s.h.* PROFESSOR HICKMAN

ROMANCE LANGUAGES

FRENCH

FOR SENIORS AND GRADUATES

- 215-216. The Modern French Novel.**—6 s.h. PROFESSOR JORDAN
- 217. The French Language.**—3 s.h. PROFESSOR WEBB
- 218. Materials and Methods.**—3 s.h. PROFESSOR WEBB
- 219. Old French.**—3 s.h. PROFESSOR COWPER
- 220. Old French.**—3 s.h. PROFESSOR COWPER
[Not offered in 1934-1935]
- 231. Rousseau and the Beginnings of Romanticism.**—3 s.h. PROFESSOR COWPER
[Not offered in 1934-1935]

FOR GRADUATES

- 323-324. Realism and Naturalism.**—6 s.h. PROFESSOR JORDAN
[Not offered in 1934-1935]
- 325. Sixteenth Century Prose.**—3 s.h. ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]

- 326. Sixteenth Century Prose.**—3 s.h. ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]
- 327. Sixteenth Century Poetry.**—3 s.h. ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]
- 328. Anatole France.**—3 s.h. ASSISTANT PROFESSOR WALTON
- 329. History of French Civilization.**—3 s.h. PROFESSOR WEBB
[Not offered in 1934-1935]
- 330. Victor Hugo.**—3 s.h. PROFESSOR WEBB
[Not offered in 1934-1935]
- 331. Diderot and the Encyclopédie.**—3 s.h. PROFESSOR COWPER
[Not offered in 1934-1935]
- 332. History of the French Language.**—3 s.h. PROFESSOR COWPER
- 333-334. French Literature, 1890-1914.**—6 s.h. PROFESSOR JORDAN
- 336. French Poetry since Théophile Gautier.**—3 s.h.
ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]

SPANISH

FOR SENIORS AND GRADUATES

- 261-262. The Modern Spanish Novel.**—6 s.h. ASSOCIATE PROFESSOR LUNDEBERG
[Not offered in 1934-1935]
- 263-264. The Modern Spanish Theater.**—6 s.h. ASSOCIATE PROFESSOR LUNDEBERG
[Not offered in 1934-1935]
- 265. Literature of the Golden Age: Prose.**—3 s.h. ASSOCIATE PROFESSOR LUNDEBERG
- 266. Literature of the Golden Age: Drama.**—3 s.h. ASSOCIATE PROFESSOR LUNDEBERG

SOCIOLOGY

FOR SENIORS AND GRADUATES

- 205. Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, feeble-mindedness, insanity, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. 3 s.h.
PROFESSOR JENSEN

206. Criminology.—A study of the original tendencies of man and the problem of socializing these tendencies; the relation of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. Prerequisite, Sociology 101.

3 s.h.

PROFESSOR JENSEN

212. Child Welfare.—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. **3 s.h.**

PROFESSOR JENSEN

213. Constructive Social Policies.—An intensive study of the theories and legislation dealing with such problems as compensation, vocational re-education, and other methods of social insurance and social improvement. **2 s.h.**

[Not offered in 1934-1935]

215. Rural Sociology.—A study of social conditions in rural communities and their improvement. Definite rural social problems are studied such as the drift to the cities, farming as an occupation, land problems, farm labor problems, coöperation, the rural school, the rural church, rural health and sanitation, the rural home, and the social center. **3 s.h.**

[Not offered in 1934-1935]

216. Urban Sociology.—A study of the organization and social problems of urban communities, with special reference to social technology or the improvement of social and living conditions. The following subjects are treated: municipal administration, city planning, housing, public health and sanitation, public safety, justice, welfare and leisure-time activities, and civic art. *First semester.* **3 s.h.**

PROFESSOR JENSEN

217. General Anthropology.—A study of the origin and evolution of man as an animal and of the different races of mankind. The prehistoric human types, the principles of ethnology, and the characteristics of the Negro, Mongolian, American, and Caucasian races. Lectures and assigned reading. **3 s.h.**

PROFESSOR ELLWOOD

218. Cultural Anthropology.—A study of social origins and of the earliest stages of cultural evolution; the stone and metal ages; the origins of industry, language, magic, religion, morals, science, art, and social organization in the family, horde, clan, and tribe. Lectures and assigned reading. **3 s.h.**

PROFESSOR ELLWOOD

227. Emigration and Immigration.—A study of territorial movements of population with especial reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organizations in the New World; problems, agencies, and processes of assimilation. **3 s.h.**
 PROFESSOR JENSEN

[Not offered in 1934-1935]

FOR GRADUATES

301. Sociology and Religion.—A study of the principles of sociology in their bearing upon religion, and especially upon Christian social ideals. Prerequisite, eighteen hours of undergraduate work in the social sciences, namely, in Sociology, History, Economics, Political Science, Psychology, and Philosophy. *M.W.F. second period.* **3 s.h.** PROFESSOR JENSEN

319. Principles of Sociology.—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. Discussions and papers by the class. *First semester, T.Th.S. second period.*
 PROFESSOR ELLWOOD

320. History of Social Philosophy.—Lectures on the development of social thought from Aristotle to the present: the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Shaeffle, Lilienfeldt, Gumplowicz, Ratzehofer, and Ward, will, among others, be considered. A large amount of assigned reading will be required in this course. The student is advised to correlate this course with related courses in economics, history, political science, and philosophy. *Second semester, T.Th.S. second period.* **3 s.h.**
 PROFESSOR ELLWOOD

322. Methods of Social Research.—A study of the various methods of research and investigation that can be applied to the study of social phenomena. Considerable time is given to the study of social statistics and the social survey. Special problems are assigned for research and field work. *T.Th.S. first period.* **3 s.h.** PROFESSOR JENSEN

330. Seminar.—Research work upon special problems in sociology and social work. One hour session each week throughout the year. **2 s.h.**
 PROFESSORS ELLWOOD AND JENSEN

ZOOLOGY

FOR SENIORS AND GRADUATES

215. Cytology.—A study of the morphology and physiology of the cell. Prerequisites, Zoölogy 1, 2, and 156 or equivalent. **4 s.h.**
 ASSISTANT PROFESSOR HOPKINS

219-220. Special Problems.—Students who have had proper training may carry on special work under the direction of members of the faculty.
(w) THE STAFF

222. Entomology.—The anatomy and classification of insects. Prerequisites, one year of Zoölogy. Offered in alternate years. 4 s.h.
ASSISTANT PROFESSOR GRAY

225. Experimental Embryology.—Lectures, assigned readings, and reports. In the laboratory a study is made of the effects of environment on various animals, including the frog, chick, and mammal. Offered in alternate years. 2 or more s.h.
PROFESSOR CUNNINGHAM

228. Endocrinology.—The structure, physiology, and embryology of the endocrine glands. Lectures, reading assignments, and reports. Offered in alternate years. 2 or more s.h.
PROFESSOR CUNNINGHAM
[Not offered in 1934-1935]

FOR GRADUATES

301. Animal Behavior.—The development of mind in animals. Assigned readings, lectures, and conferences. Offered in alternate years. 2 s.h.
PROFESSOR PEARSE

[Not offered in 1934-1935]

303. Ecology.—Natural history of animals; relations to environment. Assigned readings, lectures, reports, conferences. For students who have had at least one year of Zoölogy. Offered in alternate years. 2 s.h.
PROFESSOR PEARSE

304. Advanced Parasitology.—Lectures, conferences, readings, and laboratory work, dealing with practical and theoretical matters relating to animal parasites. Offered in alternate years. 2 or more s.h.
PROFESSOR PEARSE

306. Advanced Ecology.—Lectures, conferences, field work, and methods. 4 s.h.
PROFESSOR PEARSE

312. Morphology and Taxonomy of Protozoa.—Offered in alternate years. 2 or more s.h.
ASSISTANT PROFESSOR HOPKINS
[Not offered in 1934-1935]

314. Physiology of Protozoa.—Offered in alternate years. 2 or more s.h.
ASSISTANT PROFESSOR HOPKINS

321. General Physiology.—Comparative study of functions of all animal groups, especially of vertebrates. Lectures, laboratories, and conferences. 4 s.h.
PROFESSOR HALL

324. Advanced Physiology.—A presentation of some of the problems with which physiologists have been concerned during recent years. Lectures, conferences, and laboratory work. 4 s.h.
PROFESSOR HALL

340. Germ Cells of Animals.—The origin, growth, and development of germ cells. Lectures, reading, reports, and laboratory work. Prerequisites, Zoölogy 53, 156, and 192 or equivalents. Offered in alternate years. **4 s.h.** PROFESSOR HARGITT

[Not offered in 1934-1935]

341. Historical and Philosophical Zoölogy.—Readings and discussion. A critical study of the development of modern biological concepts and theories, their past and present significance. Offered in alternate years. **2 s.h.** PROFESSOR HARGITT

351-352. Zoölogical Journal Club.—A weekly meeting of graduate students and faculty to hear reports and to discuss biological facts, theories, and problems. One hour a week throughout the year. Required of all graduate students who major in Zoölogy. **2 s.h.** STAFF

353-354. Research.—Students who have had proper training may carry on research under the direction of members of the faculty. STAFF

355-356. Seminar.—Special seminar courses in particular fields are given by various professors when the number of students makes them desirable. Hours and credits to be arranged.

- (a) Embryology and Endocrinology.— PROFESSOR CUNNINGHAM
- (b) Comparative and General Physiology.— PROFESSOR HALL
- (c) Histology and Cytology.— PROFESSOR HARGITT
- (d) Protozoölogy.— ASSISTANT PROFESSOR HOPKINS
- (e) Ecology, Parasitology, and Behavior.— PROFESSOR PEARSE
- (f) Comparative Anatomy and Entomology.— ASSISTANT PROFESSOR GRAY

COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

ANATOMY

M201. Gross Human Anatomy.—A course especially designed for graduate students, comprising a complete dissection of the cadaver. The laboratory work is supplemented by conferences which place emphasis on the biological aspects of the subject. *Fall and winter quarters.* Hours and credits (maximum **8 s.h.**) by arrangement.

Prerequisites, Zoölogy 41 and 191 or the equivalent.

DR. SWETT AND STAFF

M202. Microscopic Anatomy.—Conferences and laboratory work on the morphological characteristics of the tissues of the animal body. The work is based upon a study of fresh and prepared material and is approached from the physiological viewpoint. *Fall quarter.* Hours and credits (maximum **2 s.h.**) by arrangement.

Prerequisite, Zoölogy 42 (General Histology) or its equivalent.

DR. HETHERINGTON AND STAFF

M203. Anatomy of the Nervous System.—A study of the gross and microscopic structure of the human central nervous system, special attention being paid to the structural and functional relationships between the various nuclei and fiber tracts. *Winter quarter.* Hours and credits (maximum **4 s.h.**) by arrangement.

Prerequisite, Anatomy M201.

DR. HETHERINGTON

M204. Human Embryology.—A lecture and seminar course dealing with the development of the individual with especial reference to the human. Laboratory work, hours and credits (maximum **2 s.h.**) by arrangement. Limited to eight students.

Prerequisites, Zoölogy 41 and 191.

DR. SWETT AND STAFF

M205. Regional Anatomy.—A study of transverse sections of the human body for the purpose of establishing the spatial relationships of the various organs. Hours and credits (maximum **3 s.h.**) by arrangement.

Prerequisites, Anatomy M201 and M202.

DR. SWETT AND STAFF

BACTERIOLOGY AND IMMUNOLOGY

M221. Bacteriology and Immunology.—This course is devoted primarily to the study of the biological and immunological relationships of microorganisms in disease. It is not a course in bacteriologic technique. An additional course in technical methods is provided for those who require it. Two hours lecture and 8 hours laboratory per week in fall quarter. **4 s.h.**

Prerequisites, courses in general zoölogy, general botany, histology and comparative anatomy, general and organic chemistry.

DR. D. T. SMITH AND STAFF

BIOCHEMISTRY

M241. General Biochemistry.—Three lectures and 4 laboratory periods of 3 hours each weekly for eleven weeks. Conference in small groups once each week. *Winter quarter.* **6 s.h.**

Prerequisites, general chemistry, organic chemistry, elementary physical and analytical chemistry and at least one year of college biology.

DR. PERLZWEIG, DR. TAYLOR AND STAFF

M242. Biochemical Preparations.—Eight hours laboratory with conferences when necessary. This course involves detailed study of the chemistry of enzymes, proteins, fats, carbohydrates and derivatives. *Spring, summer, fall quarters.* Hours by arrangement. **2 s.h.**

Prerequisite, Biochemistry M241.

DR. TAYLOR AND STAFF

M341. Pathological Chemistry.—Seminar course devoted to a detailed study of the chemical and physical chemical aspects of normal and abnormal metabolism. Two hours per week by arrangement. *Winter, spring and summer quarters.*

Laboratory work consisting chiefly of blood and urine analysis in relation to problems discussed will be provided for students desiring it.

Prerequisites, Biochemistry M241 and Physiology M261-2.

DRS. PFRLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

PHYSIOLOGY AND PHARMACOLOGY

M261-2. Human Physiology and Pharmacology.—Six lectures and twenty laboratory hours per week. *Spring quarter.* Credits depending on work taken. (Maximum 8 s.h.).

The lectures in pharmacology, two hours per week, are included in this course and may be taken separately or omitted, depending upon the needs of the student.

Prerequisites, Anatomy M201 and Biochemistry M241 (or equivalents) and at least one year of college physics.

DR. EADIE, DR. MCNIDER, AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—Two hours lectures and conferences and the equivalent of one laboratory period of three hours per week. *Spring quarter.* 2 s.h.

This course constitutes a part of Physiology M261-2, but may be taken separately.

Prerequisite, Biochemistry M241.

MRS. S. G. SMITH, DR. EADIE, DR. F. M. BERNHEIM

M361. Advanced Physiology.—Advanced lectures on selected topics in Physiology. 1 hour per week. *Spring or summer quarters.* 1 s.h.

Prerequisites, Physiology M261 and M262.

DR. EADIE AND STAFF

OPPORTUNITIES FOR RESEARCH IN FORESTRY

Through placing the Duke Forest under intensive management for forestry purposes a beginning has been made in laying the foundations for educational work and research in forestry. The Duke Forest consists of approximately five thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region, composed of second-growth shortleaf pine, loblolly pine, and hardwoods, the Forest is representative of the various types of timber growth found throughout the region.

In developing the Duke Forest the following objectives are being emphasized:

1. Demonstration of the various methods of timber growing, silvicultural treatment, and forest management on a practical and economic basis looking toward providing a sustained yield of forest products.

2. Development as an experimental forest for research in the problems of timber growing and in the sciences basic thereto.

3. To serve as an outdoor laboratory where field work can be carried on by forestry students and where research on special problems can be conducted by advanced students under the guidance of the instructional staff.

Due to the proximity of the Forest to the laboratories, greenhouses, and other scientific equipment and library facilities of the University, an excellent opportunity exists for the conduct of forest research. Research has already been started on special problems, particularly in the field of forest ecology. Increasing opportunity exists for graduate work and research in this field. During the period in which the work in forestry is being organized, graduate work in forest ecology will be offered through the closely related field of botany. Graduate students having the requisite training in either botany or forestry may do research in forest ecology. (See announcements under the Department of Botany.)

THE SUMMER SCHOOL

The Duke University Summer School is divided into three terms of six weeks each. Many courses giving graduate credit are offered by members of the University Faculty and by visiting professors. A bulletin containing information regarding the graduate courses to be offered during the summer of 1934 may be obtained by addressing the Director of the Summer School, Duke University, Durham, N. C. Summer school graduate students who desire to be admitted as candidates for advanced degrees should make application to the Dean of the Graduate School and furnish official transcripts of the work done for the bachelor's degree. Such application may be made by correspondence or in person during the first week of each summer term.

FEEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room rent—See the detailed statement that follows.	
Athletic fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage fee, payable annually at the time of first registration....	1.00
Medical fee, per semester.....	5.00
Library fee, per semester.....	5.00
Commencement fee, payable once by graduate students in the last semester before a degree is conferred.....	3.00
Diploma fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded....	5.00

For further information concerning room rent, see below.

SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research work in the summer under direction of a member of the faculty.

TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one transcript of his record. A charge of one dollar is made for each additional copy.

TEACHERS TAKING GRADUATE COURSES

For the purpose of aiding North Carolina teachers in their professional preparation, Duke University grants a special tuition rate to members of the faculties of nearby schools and colleges who desire to register during the regular academic session for one or two graduate courses. For such courses a teacher is required to pay a registration fee of \$5.00 at the beginning of each semester and a tuition fee of \$3.00 for each semester-hour of work, together with any regular laboratory fees which may be required in these courses. A student may not register for more than seven hours per week under this provision.

Instructors, part-time instructors, members of the library staff, other similar members of the University staff, and ministers of nearby churches may be included under the above provision by the Dean of the Graduate School, provided such persons are not receiving more than one-half credit for residence in meeting the requirements for advanced degrees.

The special tuition rate for teachers does not apply in any case to the holders of fellowships, graduate scholarships, and graduate assistantships annually awarded in the Graduate School of Arts and Sciences.

PAYMENTS TO FELLOWS AND SCHOLARS

Payments by the University of stipends to fellows and scholars are made in four installments, on November 25, January 25, March 25, and May 25. Fellows and scholars are required to pay the regular tuition fee and such additional fees as are ordinarily required of graduate students.

ROOMS AND CONDITIONS OF RENTING THEM

ROOM RENT FOR MEN OF DUKE UNIVERSITY

West Campus, per semester.....	\$50.00, \$62.50, and \$75.00
East Campus, per semester.....	\$30.00 and \$50.00

All graduate courses are given on the West Campus.

ROOM RENT IN WOMAN'S COLLEGE

Single room, per student, per semester.....	\$75.00
Two-room suite (for two students), per student, per semester....	75.00
Double room, per student, per semester.....	50.00
Double room, Jarvis House, per student, per semester.....	30.00

Rooms are reserved only for students who have been officially accepted by the University. They are rented for no shorter period than one semester. The occupancy of a room for a period less than one semester will cost the student \$1.00 each day unless the occupant makes the necessary arrangements with the Director of the Business Division before occupying the room. A room deposit of \$5.00 is required of each applicant for admission. The fee is deducted from the room charges at the time of registration for the full semester. The reservation fee will be refunded to any applicant not accepted by the University provided the official receipt for the fee, given to all paying it, is presented either in person or by letter to the Treasurer's office, but students who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before August 1.

A resident student who wishes to retain his room for the succeeding year must first pay a reservation fee of \$5.00 to the Treasurer's office and then notify the office of the Director of the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. When a room is once engaged by a student, no change will be permitted except with the consent of the Director of the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. The use of a room for merchandising of any kind is strictly forbidden.

The University does not assume the responsibility of selecting and assigning room-mates, though it will gladly render any assistance possible in the matter.

DORMITORIES FOR MEN

On the West Campus there are three groups of dormitories, Craven, Crowell, and Kilgo. Each group forms a quadrangle enclosing a court. Certain sections are reserved especially for the use of students of the Graduate School of Arts and Sciences.

DORMITORY ROOMS FOR GRADUATE WOMEN

Five new dormitories built especially for women and newly and attractively furnished were opened in September, 1930. In each hall, serving as a center for the social life of the hall, are a large living-room and three small reception rooms. The students' rooms are single, double, or arranged in suites of two rooms for two, three, or four students and are supplied with all necessary furnishings except towels, sheets, pillow-slips, blankets, and heavy bed coverings. All undergraduates from out of town are expected to live in the dormitories and no student under twenty-one is permitted to live outside of the dormitories unless with near relatives. Special arrangements may be made with the Dean by graduate women who wish to live in town. Graduate students will be welcomed in the dormitories and special regulations will be made for their convenience. Heads of the halls, with the coöperation of the Student Council, have general charge of the social life of the halls. Connected with the dormitories by arcades is the Union, which includes dining rooms for students and faculty, a lounge, and other rooms for various student activities.

BOARDING ACCOMMODATIONS

Trinity College, West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. It is the policy of the University to furnish board to its students at actual cost. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barber Shop, and all publication staff offices.

In addition to the Union dining halls a Coffee Shop is operated for the convenience of students and visitors.

Woman's College, East Campus.—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman student is permitted to board elsewhere than at this Union. Board is \$112.50 per semester.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a graduate student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum cost, while all charges made by the University have been kept low. Incidental expenses naturally depend upon the tastes and habits of the individual. The following table gives the necessary college expenses for one year:

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition	\$200.00	\$200.00	\$200.00
Matriculation	50.00	50.00	50.00
Room Rent	60.00	100.00	150.00
Board	225.00	225.00	225.00
Laundry	20.00	25.00	30.00
Books	22.50	30.00	45.00
Library Fee	10.00	10.00	10.00
Athletic Fee	10.00	10.00	10.00
Damage Fee	1.00	1.00	1.00
Medical Fee	10.00	10.00	10.00
Total.....	\$608.50	\$661.00	\$731.00

ADVANCED DEGREES CONFERRED, JUNE 7, 1933

MASTER OF ARTS

Adams, John Clinton	Denny, Mary Rebecca
*Anderson, John David	Dillon, Conley Hall
Anderson, Lewis Edward	*DuVernet, Grace
Andrews, Henry Lucian	Eason, Elizabeth Bruner
Beacham, Nickels Ray	Farrar, Margaret Ella
*Berghauser, Ailsie Powel	Fish, Laurens Hull
*Berghauser, Albert Sartor	*Flinn, Lawrence
*Brady, Elbert Carl	Fulmer, Mary Eunice
Brant, George Ezekiel	*Guy, Walter Carlisle
Bridgers, Frank Ernst, Jr.	Harris, Isabella Deas
Broadhead, Edward Hall	Harrison, David Moody
Bryan, William Alfred	*Harvey, Harlow Williamson, Jr.
Burch, Vella Jane	Harward, Morata Beatrice
*Calhoun, Robert Lyon	Huffman, Esther Wright
*Cannon, Ernestine Jacobs	Humble, Hilary Augustus
Clarke, Sara Elizabeth	Hunter, Annie May
Cunninggim, Augustus Merrimon	Jackson, Fynes Berty
*Dance, Willis Lufkin	*Jenkins, Ruth Irwin

* Degrees conferred *in absentia*.

*Jurney, William Howard	Rainsford, Albert Edwin
Kopp, Paul Joseph	Rice, Nolan Ernest
*Latham, Dennis Harold	*Rodriguez, Andres
*Lawrence, Ora Woodford	Sartorius, William Schoolfield
Lee, Donald Woodward	*Searcy, Hubert
McCarrell, David Kithcart	*Shannon, Edward McDaniel
McDavid, Raven Ioor, Jr.	Simpson, Mary McNab
McEntire, Weldon Davis	*Sloan, John Stover
McGavock, William Gillespie	Steele, Marion DeVault
Madison, Blaine Mark	Strother, Eura Vance
Manget, Jeanne Logan	Stroud, Dorothy Mae
Mann, Marvin Mellard	Sullivan, Claude Townsend
*Martin, Lelia Virginia	Sullivan, Willie Jefferson
Moore, Daniel Houston	Tanner, Edward William
Moses, Anna Katherine	Taylor, Robert King, Jr.
New, Mary Ellen	Trexler, Dora May
Newsom, Mary Etta Cavett	Walker, Herman, Jr.
Nyeu, Ming Hwa	Waynick, Minerva Ann
Ownbey, Sara Elizabeth	Whitenfish, Abe Irving
Parker, Enid Rifner	Whitman, William Tate
Poole, Mary Elizabeth	Williams, Marion Eugene
Pratt, Joseph Gaither	Williams, McChord

MASTER OF EDUCATION

Ashe, Alex Elisha	Perry, Haywood Arnold
Cox, Granville Claude	*Rath, Harry Nicholas
*Garrison, Albert L.	Shaw, William Henry
*Godfrey, Roy Burchell	Stamy, Adam Reese
*McKinney, William Harold	Tilley, Ernest Clarence
*Marks, William Bernelle	

DOCTOR OF PHILOSOPHY

- ALLEN, ROBERT IVEY, B.S., M.S., University of Georgia.
Dissertation: *The Absolute Saturation of Cubic Cobalt.*
- BURCH, J. C. HORTON, A.B., M.A., Duke.
Dissertation: *A Combined Lexicon and Concordance of the English Works of John Gower, A-C Inclusive.*
- CARPENTER, DAVID WILLIAMS, A.B., M.A., Duke.
Dissertation: *The Effect of Temperature on the Diffusion of Meta-stable Mercury Atoms.*
- COOK, LOUIS BERTRAM, Sc.B., Brown; M.A., Duke.
Dissertation: *The Action of Fluorine on Naphthalene and Some of its Derivatives.*
- CUTTER, WALTER AIREY, A.B., Central College; M.A., Duke.
Dissertation: *The Philosophy of Religion in America since 1900.*
- DRESSEL, FRANCIS GEORGE, B.S., Michigan State; M.S., University of Michigan.
Dissertation: *A Boundary Value Problem for the Heat Equation.*

* Degree conferred in *absentia*.

- GILLASPIE, ATHEY GRAVES, B.S., Lynchburg; M.A., Duke.
Dissertation: *An Investigation Concerning the Relative Stabilities of Aromatic Ald-Chlorimines and Their Geometrical Configuration.*
- GRIFFIN, MABEL JEANNETTE, A.B., M.A., Duke.
Dissertation: *Invariants of Pfaffian Systems.*
- HAGAN, CHARLES BANNER, A.B., Emory and Henry; M.A., University of Virginia.
Dissertation: *The Anglo-American Doctrine of the Act of State; A Study in the Competence of National Courts.*
- McCULLOCH, THOMAS LOGAN, A.B., Whittier College; M.A., Duke.
Dissertation: *A Study of the Cognitive Abilities of the White Rat with Special Reference to Spearman's Theory of Two Factors.*
- MCDONALD, RALPH WALDO, A.B., Hendrix College; M.A., Duke.
Dissertation: *An Investigation of the Study Processes Employed by High School Pupils in American History.*
- MABRY, WILLIAM ALEXANDER, A.B., M.A., Duke; M.A., Harvard.
Dissertation: *The Disfranchisement of the Negro in the South.*
- MEIER, FREDERICK WILLIAM, Ph.B., University of Chicago; M.A., Tulane.
Dissertation: *A Translation of Erwin Panofsky's Idea with a Critical Introduction.*
- PEARSON, JOHN HERBERT, ScB., BROWN; M.A. Duke.
Dissertation: *The Action of Fluorine on Certain Aromatic Organic Compounds under Various Conditions.*
- PETERSON, HAROLD FERN, A.B., KNOX; M.A., University of Minnesota.
Dissertation: *Diplomatic Relations between the United States and Argentina, 1810-1870.*
- ROBERT, JOSEPH CLARKE, A.B., Furman; M.A., Duke.
Dissertation: *The Tobacco Industry in the Virginia-Carolina Area, 1800-1860.*
- SMITH, CULVER HAYGOOD, A.B., Duke; M.A., Yale.
Dissertation: *The Washington Press in the Jacksonian Period.*
- SUGDEN, HERBERT WILFRID, A.B., Harvard; M.A., Duke.
Dissertation: *The Grammar of the Faerie Queene.*
- TARBUTTON, GRADY, B.S., Millsaps; M.S., University of Iowa.
Dissertation: *The System Lead Acetate, Acetic Acid, Water and a Voltaic Cell with Aqueous Acetic Acid as the Solvent.*
- THOMAS, JOHN FREDERICK, B.L., M.A., University of Michigan.
Dissertation: *An Evaluative Study of the Mental Content of Certain Trance Phenomena.*
- TIPTON, SAMUEL RIDLEY, A.B., Mercer.
Dissertation: *The Respiration of Vertebrate Erythrocytes.*
- WARNER, JAMES HAROLD, A.B., Indiana University; M.A., Northwestern.
Dissertation: *The Reputation of Jean Jacques Rousseau in England, 1750-98.*

LIST OF GRADUATE STUDENTS

ACADEMIC YEAR, 1933-34

Adams, John Clinton B.A. (University of Pennsylvania), A.M. (Duke), History.	Philadelphia, Pa.
Altwater, Margaret Glass A.B. (Duke), German.	Durham, N. C.
Ancrum, William, Jr. A.B. (The Citadel), Economics.	Balboa H'gts, Canal Zone
Andrews, Henry Lucian A.B., A.M. (Duke), Sociology, Economics.	Mount Gilead, N. C.
Appell, Thelma Mae Ph.B. (University of Vermont), French.	Rutland, Vermont
Askew, William Clarence A.B. (Mercer), History, Economics.	Temple, Georgia
Bailey, Howland Haskell A.B. (Haverford), Physics, Mathematics.	Hyde Park, Mass.
Bailey, Ruth Eldora A.B. (Duke), Education, English.	Hattiesburg, Miss.
Ball, Ruth Stella A.B. (Wellesley), Mathematics, Education.	Lowell, Mass.
Barrett, Henry J. A.B. (College of Wooster), A.M. (Teachers College, Columbia), History.	Mattituck, L. I., N. Y.
Billings, William Dwight A.B. (Butler), Botany.	Indianapolis, Ind.
Black, Hazel Juanita A.B. (Greensboro), A.M. (Cornell), French, English.	Landis, N. C.
Bookhout, Cazlyn Green A.B. (St. Stephen's), A.M. (Syracuse), Zoölogy.	Roxbury, N. Y.
Brandt, Bartholomew Brandner B.Sc. (Mississippi State), Zoölogy, Botany.	Washington, N. C.
Bright, Marjorie Belle A.B. (University of Texas), English.	Fort Worth, Texas
Prody, Leon A.B., M.S. (College of the City of New York), Education, Psychology.	New York, N. Y.
Brown, Alice Lenore A.B., A.M. (University of Kansas), Ph.D. (Cornell), Zoölogy.	Conneaut, Ohio
Bryan, Jack Yeaman A.B., A.M. (University of Arizona), Philosophy, Psychology, Sociology.	Peoria, Ill.
Butts, Helen Elizabeth A.B., A.M. (Brown), Zoölogy.	Providence, R. I.
Cagle, William Carl B.S. (University of Chattanooga), A.M. (George Peabody), Chemistry.	Epworth, Ga.
Canaday, Ernest Franklin A.B. (William Jewell), A.M. (University of Missouri), Mathematics.	Carrollton, Mo.
Carroll, James Grover A.B. (Wake Forest), A.M. (Columbia), Mathematics.	Wake Forest, N. C.

- Carter, Rodney Graham
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- Circle, Elizabeth
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- Combs, Gilbert Reynolds
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- Dearborn, Donald Curtis
A.B. (Hastings), A.M. (University of Nebraska), Mathematics, Physics. Hastings, Nebr.
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- Dunlap, Orell Alva
A.B. (Presbyterian), Economics. Rock Hill, S. C.
- Duttera, Maurice Julian
A.B. (Duke), Economics. Salisbury, N. C.
- Dye, Margaret Luisita
A.B. (University of Missouri), French, Philosophy. Liberty, Mo.
- Dyer, William Mills
B.S. (Springfield College, Massachusetts), English, History. North Berwick, Me.
- Eason, Elizabeth Bruner
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- Foster, William Omer
A.B. (Transylvania), A.M. (Columbia), B.D. (Yale Divinity School), Sociology, History. Ames, Iowa
- Galloway, Charles Betts
B.S. (Millsaps), Chemistry, Physics. Jackson, Miss.
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- Garner, Samuel Paul
A.B. (Duke), Economics. Winston-Salem, N. C.
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- Gibson, William Marion
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A.B. (Pennsylvania State), Education. Nanticoke, Pa.
- Glassman, Alexander
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- Godard, James McFate
A.B. (Park), A.M. (Duke), Psychology, Philosophy. Durham, N. C.
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A.B., B.D. (Southern Methodist), A.M. (Yale), Religious Education, Philosophy. Chapel Hill, N. C.
- Godcharles, Charles Augustus
A.B. (Bucknell), A.M. (Duke), Philosophy, Economics. Milton, Pa.
- Goldstein, Israel Payson
A.B. (Lehigh), English. E. Taunton, Mass.
- Gorman, Mary Aylward
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- Green, Floride Adelle
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B.S. (Ursinus), A.M. (Duke), Economics. Beaverdale, Pa.
- Harwell, George Corbin
A.B. (Duke), English. Wilmington, N. C.
- Hassell, Allene Brinkley
A.B. (East Carolina Teachers College), Education. Durham, N. C.
- Hathorn, John Broadus
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- Heckman, Oliver Saxon
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- Hobbs, Marcus Edwin
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- Hoole, William Stanley
A.B., A.M. (Wofford), English. Darlington, S. C.
- Huberman, Edward
A.B. (Harvard), A.M. (Rutgers), English. New York, N. Y.
- Hudnall, Eva Irene
B.S. (Farmville State Teachers College), English. Critz, Va.
- Humble, Hilary Augustus
A.B., A.M. (Duke), Chemistry. Wilmington, N. C.
- Humrichouse, Ann Stockton
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- Israel, Kate Ola
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- Ivey, Mary Stuart
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- Jackson, David Kelly, Jr.
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- Jacokes, James Warner, Jr.
B.S. (Union University, Tennessee), Chemistry, Physics. Asheville, N. C.
- Jernigan, Charlton Coney
A.B., A.M. (Duke), Greek. Durham, N. C.
- Johnston, Thomas McNaughton
B.S. (Washington and Jefferson), A.M. (Tulane), English. Allison Park, Pa.
- Jones, Melville Lewis
A.B. (Furman), Religion, Sociology. Durham, N. C.
- Jonghloet, Louis Alphonse
A.B. (Villanova), French, English. Washington, D. C.
- Karlsson, Yrjo Lamon Nikolai
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- Keech, James Maynard
A.B., A.M. (Duke), Economics. Durham, N. C.

- Ketring, Ruth Anna
A.B. (Earlham), A.M. (Duke), History. Richmond, Ind.
- King, Robert Herndon
A.B. (Washburn), Economics, Political Science. Topeka, Kansas
- Kuhn, William Jamison
A.B. (Hiram), History, Political Science. Geneva, Ohio
- Lackey, Riley Howard
B.S. (Duke), History. Hamlet, N. C.
- LeMaistre, John Wesley
B.S.E., M.S. (University of Michigan), Chemistry. Tuscaloosa, Ala.
- LeRoy, Laura Virginia
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B.S. (Greenville Woman's College), Education, Psychology. Greenville, S. C.
- McCord, William Fletcher
A.B. (Mercer), Psychology, Zoölogy. Macon, Ga.
- McCormick, Edward Theodore
B.S. (University of Arizona), M.S. (University of California), Economics. Tucson, Arizona
- McCulloch, Thomas Logan
A.B. (Whittier), A.M., Ph.D. (Duke), Psychology. Eaton, Ohio
- McCutcheon, Frederick Harold
B.S., M.S. (North Dakota State College), Zoölogy, Botany. Fargo, N. D.
- McDavid, Raven Ioor, Jr.
A.B. (Furman), A.M. (Duke), English, Political Science. Greenville, S. C.
- McEntire, Weldon Davis
B.S. (Utah State), A.M. (Duke), Political Science, Economics, History. Preston, Idaho
- McGlothlin, William Joseph, II
A.B. (Furman), A.M. (Columbia), English. Greenville, S. C.
- McKee, John Anderson
A.B. (University of Pennsylvania), Education. Rowlandsville, Md.
- McKellar, Ella Clare
A.B. (Wesleyan), B.S., A.M. (University of Georgia), Sociology, Psychology. Macon, Ga.
- McLarty, Furman Gordon
A.B. (Duke), B.A. (Oxford), A.M. (Harvard), Philosophy, Greek. Shelby, N. C.
- McManus, Mary Idolene
A.B. (Coker), A.M. (University of South Carolina), Zoölogy, Botany. Taxahaw, S. C.
- Manget, Jeanne Logan
A.B., A.M. (Duke), Physics, Mathematics, Electrical Engineering. Newnan, Ga.
- Mann, Marvin Mellard
A.B., A.M. (Duke), Physics, Mathematics. St. Matthews, S. C.
- Margineanu, Nicolas
Ph.D. (Cluj University, Roumania), Psychology. Obreja, Roumania

- Mason, Morton Freeman Philadelphia, Pa.
B.S. (Oregon State), Biochemistry.
- Meredith, Flora Marie Fort Pierce, Fla.
A.B. (Duke), Education.
- Miller, Harold William Spartanburg, S. C.
A.B. (Wofford), A.M. (Duke), Greek, Latin.
- Miller, William Taylor, Jr. Winston-Salem, N. C.
A.B. (Duke), Chemistry.
- Michell, Nicholas Pendleton, Jr. Seymour, Texas
A.B., A.M. (University of Texas), Political Science.
- Montague, Ludwell Lee Gloucester, Va.
A.B. (Virginia Military Institute), A.M. (University of Pennsylvania), History.
- Moore, Daniel Houston Baywood, Va.
A.B., A.M. (Duke), Physics, Chemistry, Mathematics.
- Moore, Katherine Boude Winston-Salem, N. C.
A.B. (Flora Macdonald), Mathematics, Latin.
- Morgan, Jasper Eugene Waynesville, N. C.
B.S. (Wake Forest), A.M. (Duke), Physics, Electrical Engineering, Mathematics.
- Morgan, Karl Ziegler Salisbury, N. C.
A.B., A.M. (University of North Carolina), Electrical Engineering.
- Mumford, Carey Gardner Raleigh, N. C.
A.B. (Wake Forest), Mathematics.
- Munyan, Merrill Calvin Worcester, Mass.
A.B. (Wesleyan), History.
- Nuernberger, Gustave Adolph Buffalo, N. Y.
A.B. (University of Buffalo), A.M. (Duke), History.
- O'Connor, Ruth Brewster, N. Y.
B.S. (Elmira), Chemistry, Physics.
- Overdyke, William Darrell Cherokee, Kansas
A.B. (Centenary), A.M. (Louisiana State), History.
- Parker, Enid Rifner Chattanooga, Tenn.
A.B. (University of Chattanooga), A.M. (Duke), Latin, Greek.
- Peeler, Banks J. Burlington, N. C.
A.B. (Catawba), B.D. (Central Seminary, Ohio), Sociology, Religion.
- Perry, Margrid Hagelberg Durham, N. C.
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- Peterson, Daniel McLeod Brooksville, Miss.
A.B. (University of Mississippi), Mathematics, Physics.
- Poole, Mary Elizabeth Lexington, Ky.
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- Poovey, Maybelle High Point, N. C.
A.B. (Duke), English, Education, History.
- Potcat, Mary Marion, N. C.
A.B. (Woman's College of U. N. C.), A.M. (Columbia), English.
- Pratt, Joseph Gaither Winston-Salem, N. C.
A.B., A.M. (Duke), Psychology, Zoölogy.
- Price, Curtis Monroe, N. C.
A.B. (Duke), Education.
- Puette, Lucille Agnes Richmond, Va.
A.B. (Randolph-Macon Woman's College), Chemistry, Physics.

- Pullias, Earl Vivon
A.B. (Cumberland), A.M. (University of Chicago), Psychology.
Castalian Spgs., Tenn.
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A.B. (Wesleyan), English.
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- Rayner, Kenneth Tyson
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Wake Forest, N. C.
- Reddish, Paul Sigman
A.B. (Duke), Zoölogy, Botany.
Durham, N. C.
- Reed, John Frederick
A.B. (Dartmouth), Botany.
Roxbury, Maine
- Recves, Carl Walker
B.S. (The Citadel), A.M. (Columbia), English.
Greenville, S. C.
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- Rice, Nolan Ernest
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St. Albans, L. I., N. Y.
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A.B. (Duke), Political Science.
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Seattle, Wash.
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A.B. (College of Charleston), Greek, Latin.
Charleston, S. C.
- Sadler, Alton Guy
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Rocky Mount, N. C.
- Scanlon, Mary Rebecca
A.B. (West Virginia), English, French.
Morgantown, W. Va.
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B.S. (Rollins), Botany, Zoölogy, German.
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- Taylor, Melvin Holmes
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- Tollen, William Bruce
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- Trawick, Sarah Catherine
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A.B. (Randolph-Macon Woman's College), Education.
- McClow, Minnie Lee Fagan Durham, N. C.
A.B. (Winthrop), Education.

- McCormick, Dwight Williams Waiteville, W. Va.
A.B. (Concord State Teachers College), Education, History.
- McDavid, Nina Elizabeth Sanford, N. C.
B.S. (Woman's College of U. N. C.), Biology.
- McElmurray, Emily Leslie Waynesboro, Ga.
A.B. (Georgia State College for Women), Education, French.
- McElveen, Vera Brooklet, Ga.
B.S. (South Georgia Teachers College), Education, Mathematics.
- McGhee, Grant Oliver Roanoke, Va.
A.B. (Emory and Henry), Mathematics.
- McKellar, Ella Clare Macon, Ga.
A.B. (Wesleyan), B.S., A.M. (University of Georgia), Psychology.
- McLaughlin, Randolph Aloysius Tampa, Fla.
A.B., A.M. (Gonzaga University), Mathematics.
- McPherson, Thomas Elliott Tasso, Tenn.
B.S. (Johnson City Teachers College), Mathematics.
- Madison, Blain Mark Olin, N. C.
A.B. (High Point College), A.M. (Duke), Education.
- Manning, Alice May Waynesburg, Pa.
A.B. (Pennsylvania State College), Education.
- Martin, Lucile Mocksville, N. C.
A.B. (Duke), Education, French.
- Massey, Winston Louis Chattanooga, Tenn.
A.B. (University of Chattanooga), Mathematics.
- Mauk, Frances Irene Melburne, Fla.
A.B. (University of Georgia), English.
- May, William Henry Durham, N. C.
A.B. (Duke), Education.
- Meeks, Lucile Lester Baltimore, Md.
A.B. (Randolph-Macon Woman's College), Education, English.
- Mellard, Hervie Harold Heidelberg, Miss.
B.S. (Mississippi State Teachers College), Education.
- Metz, Earl Clarence West Salem, Ohio
A.B. (Capital University), Education, History.
- Meyer, Ambrose Eden Jacksonville, Fla.
A.B. (Lebanon Valley College), History.
- Miller, Paul Robert Little Meadows, Pa.
B.S. (Mansfield State Teachers College), Education.
- Miller, Robert Edward Jonesboro, Ga.
A.B. (Erskine College), Education.
- Mitchell, Charles Harold Augusta, Ga.
A.B., A.M. (University of Pittsburgh), Education.
- Montgomery, Horace Uniontown, Pa.
A.B. (Ohio Northern University), A.M. (University of Georgia), History.
- Moore, John Samuel Bethel, N. C.
A.B. (University of North Carolina), A.M. (University of California),
English.
- Moorman, Claude Thurman Roanoke, Va.
B.S. (Virginia Military Institute), Religion.
- Morgan, John Wesley Selma, N. C.
A.B. (Duke), Education.

- Morris, Nancy Allison
A.B. (Muskingum College), French. Dilliner, Pa.
- Mount, Elizabeth
A.B. (Wesleyan College, Ga.), Education, History. Pavo, Ga.
- Mounts, Charles Eugene
A.B., A.M. (University of Florida), English. Gainesville, Fla.
- Mumford, Carey Gardner
A.B. (Wake Forest), Mathematics. Raleigh, N. C.
- Munsey, Lassie May
A.B. (University of Chattanooga), Economics. Wartrace, Tenn.
- Nagle, Luetta M.
A.B. (Ursinus College), Education, English. Denver, Pa.
- Nelson, Torace Malcolm
A.B. (Wofford), Education, Psychology. Edgefield, S. C.
- Newman, Mary Rowena
A.B. (Duke), English. Winston-Salem, N. C.
- Newton, Thomas Hudson
A.B. (Duke), Education. Gibson, N. C.
- Nisbet, Vera Horn
A.B. (Grenada College), History, Sociology. New Albany, Miss.
- Northcutt, Jewell Rosalind
A.B. (Columbia College), Education, Latin. McFarlan, N. C.
- Norton, William Randolph
A.B. (Lynchburg College), Education. Glen Hedrick, W. Va.
- Otey, Cosby Millard
A.B. (Concord State Teachers College, W. Va.), Education, Mathematics. Crumpler, W. Va.
- Parham, Edwin Thomas
A.B. (Wake Forest), Education, Religion. Youngsville, N. C.
- Parker, Louise Pierce
A.B. (Duke), Education. Wilson, N. C.
- Parrish, Albert Archie
A.B. (Duke), Education. Rougemont, N. C.
- Pearce, Lora May
Ph.B. (University of Chicago), Sociology. Augusta, Ga.
- Pell, Evelyn Jackson
A.B. (Asbury), French, History. Pilot Mountain, N. C.
- Perkins, Isabel Landreth
A.B. (Florida State College for Women), English. Pine Castle, Fla.
- Perry, Gilbert Vincent
A.B. (Notre Dame), History. Wyoming, Pa.
- Peterson, Daniel McLeod
A.B. (University of Mississippi), Mathematics. Brooksville, Miss.
- Phelps, George Thomas
B.D. (Bethany College), Mathematics. New Castle, Pa.
- Phillips, David
B.S. (East Stroudsburg State Teachers College), Education. Old Forge, Pa.
- Philips, Edward Lindsey
A.B. (Duke), Economics. Durham, N. C.
- Pierce, Catherine Jones
A.B. (Woman's College of U. N. C.), B.S., M.S. (Columbia University), German. Durham, N. C.

- Pierpoint, Frank Ray
A.B. (Ohio University), Economics. Chesterhill, Ohio
- Pitts, Sara Elizabeth
A.B. (Randolph-Macon Woman's College), Education. Saluda, Va.
- Planck, Carl Gustave
B.S. (Rose Polytechnic Institute), Education, Religion. Haines City, Fla.
- Pollitt, Joe Donald
A.B. (Marshall), English. Huntington, W. Va.
- Poole, Sarah Elizabeth
A.B. (Woman's College of U. N. C.), Education, Psychology. Mayodan, N. C.
- Pope, Benjamin Ashby
B.S. (Virginia Polytechnical Institute), Mathematics. Newsoms, Va.
- Porter, Helen Elizabeth
A.B. (Flora Macdonald), English, French. Clinton, S. C.
- Porter, Julia Adeline
A.B. (Flora Macdonald), French, Latin. Clinton, S. C.
- Powell, Caroline Egerton
A.B. (Elon College), Zoölogy. Warrenton, S. C.
- Pratt, Francis Marion
A.B. (Duke), English. Winston-Salem, N. C.
- Price, Curtis
A.B. (Duke), Education, Religion. Ellenboro, N. C.
- Pritchett, Leo Kluttz
A.B. (Davidson College), Education. Banner Elk, N. C.
- Provins, Christian Lloyd
B.S. (Juniata College), Economics, History. Martinsburg, Pa.
- Purcell, Mae Maxine
A.B. (John B. Stetson University), Economics. Dade City, Fla.
- Purcell, Wilbur Hallam
A.B. (John B. Stetson University), Economics, History. Dade City, Fla.
- Quillen, Isaac James
A.B. (University of Delaware), A.M. (Yale), Education. Selbyville, Dela.
- Randle, Clinton Wilson
A.B. (Duke), Economics. Hickman, Ky.
- Ranes, George Arthur
A.B. (Wake Forest), A.M. (University of North Carolina), Education. Raleigh, N. C.
- Rankin, Mary Kate
A.B. (Maryville College), History. Dandridge, Tenn.
- Ray, Claude Elbert
B.S. (Clemson College), Education, English. Milledgeville, Ga.
- Reed, S. Gleason
A.B. (Concord State College, W. Va.), Zoölogy. Glen Hedrick, W. Va.
- Reese, Nancy A.
A.B. (Dickinson College), Education, History. Harrisburg, Pa.
- Reeves, Carl Walter
B.S. (Citadel), M.A. (Columbia), English. Greenville, S. C.
- Reichenbach, J. Marion
A.B. (Susquehanna University), Education. Orwell, Pa.
- Renstrom, Edith Linea
B.S. (California State Teachers College, Pa.), Spanish. Fayette City, Pa.
- Reuter, William Leo
B.S. (Millersville State Teachers College, Pa.), Education, History. York, Pa.

Revere, James Hall B.S. (University of Virginia), Education.	Wake, Va.
Reyst, Klara Frederika (State Diplomas, Holland), French.	Morgantown, W. Va.
Rhoades, Paul Hubbard B.S. (Allegheny College), Education.	Endeavor, Pa.
Rice, Nolan Ernest A.B. (University of Kentucky), A.M. (Duke), Zoölogy.	Bellevue, Ky.
Richardson, Sarah Evelyn A.B. (Woman's College of U. N. C.), Education.	Winston-Salem, N. C.
Riddick, Floyd Millard A.B. (Duke), A.M. (Vanderbilt), Economics.	Durham, N. C.
Riedel, Evelyn Lois B.S. (West Virginia University), Education, English.	McMechen, W. Va.
Roberts, Daisy Mae A.B. (College of Charleston), Education.	Charleston, S. C.
Robertson, Joseph Mays B.S. (Clemson), Mathematics.	Augusta, Ga.
Robey, Frances Elizabeth A.B. (West Virginia University), English.	Fairmont, W. Va.
Robison, Jennie Lansden A.B. (Texas Technological College), English, Sociology.	Lubbock, Texas
Rodkey, Bertha Mary B.S. (Teachers College, Millersville), Education, English.	Quarryville, Pa.
Rogers, Helen Mojeska A.B. (Duke), Education.	Durham, N. C.
Ropp, George William A.B. (Hampden-Sidney), Education, Latin.	Middletown, Va.
Ropp, Katharine Wallace A.B. (Randolph-Macon Woman's College), Education.	Middletown, Va.
Rourk, Catharine Marion B.S. (Wesleyan College), A.M. (Columbia), Education, English.	Savannah, Ga.
Roy, Archie Francis A.B. (St. Lawrence University), French.	Plattsburg, N. Y.
Ruch, Clarence Alexander B.S. (Bloomsburg State Teachers College), Education.	Berwick, Pa.
Rugh, Muriel Elizabeth A.B. (Juniata College), English, French.	Johnstown, Pa.
Ruzgis, Albert William B.S. (Albright College), Education, English.	Kulpmont, Pa.
Ryburn, Horace Wintzer A.B. (Davidson), English.	Erwin, Tenn.
St. Clair, Maria Tiffany A.B. (Emory and Henry), History.	Bluefield, Va.
Sanders, Ollie Bernice A.B. (Winthrop), Education, Mathematics.	Rock Hill, S. C.
Schmidt, Fred Jacob A.B. (Dickinson College), Education, English.	Egg Harbor City, N. J.
Scott, George Milton A.B. (University of Chattanooga), English.	Augusta, Ga.
Seawright, Richard Wilson A.B. (Erskine), Education, Sociology.	Hodges, S. C.

- Shaffer, Donald Wade Tyrone, Pa.
B.S. (Shippensburg State Teachers College), Education, English.
- Shaughnessy, Francis Henry Tunkhannock, Pa.
B.S. (Bloomsburg State Teachers College), Education.
- Shaw, Daryl Winston Mansfield, Pa.
B.S. (Mansfield State Teachers College), Economics, Education.
- Shearer, Charles James McEwensville, Pa.
B.S. (Susquehanna University), Education.
- Sheese, Mildred Libbie Hepburnville, Pa.
A.B. (Wilson College), Education, History.
- Shelinski, Anthony Dickson City, Pa.
B.S. (Mansfield State Teachers College), Education.
- Sherwin, Edith Evelyn Greensboro, N. C.
A.B. (Meredith), Zoology.
- Shields, James Montgomery Winston-Salem, N. C.
A.B. (Moravian College), Economics, Education.
- Shockloss, Michael Daniel Swoyerville, Pa.
B.S. (Stroudsburg State Teachers College), English, History.
- Shryock, Henry Soladay, Jr. Baltimore, Md.
A.B. (St. John's College), Sociology.
- Shull, Paul Eugene Lewistown, Pa.
B.S. (Shippensburg State Teachers College), Education, Sociology.
- Simpson, Robert Sisson Ackerman, Miss.
A.B. (Millsaps College), Economics.
- Singleton, Stanton James Scott, Ga.
A.B. (University of Georgia), Zoology.
- Singley, Alvin Arthur Columbia, S. C.
A.B. (Newberry College), A.M. (University of South Carolina), Education,
Psychology.
- Skeen, James Morris Clintwood, Va.
A.B. (Emory and Henry), Education.
- Sloan, Marion Lucile Princeton, W. Va.
A.B. (Concord College), History.
- Smith, Cecil Clive Durham, N. C.
A.B. (University of North Carolina), Education.
- Smith, Charles Bunyan Tallassee, Ala.
B.S. (George Peabody), Economics, Psychology.
- Smith, Charles William Hopewell, Va.
A.B. (Howard), Education.
- Smith, Harry Otto Woodsboro, Md.
A.B. (Western Maryland), Psychology.
- Smith, Mattie Mary White Sul. Spgs., W. Va.
A.B. (Marshall), Spanish.
- Smith, Paul Samuel Slippery Rock, Pa.
B.S. (Slippery Rock State Teachers College), Education, History.
- Smith, Virginia Baxter Demorest, Ga.
A.B. (Piedmont College), A.M. (University of Georgia), English.
- Smith, Wilbur Franklin Hawkinsville, Ga.
A.B. (Mercer), Education, Psychology.
- Snidow, Mildred Marguerite Bassetts, Va.
B.S. (Farmville State Teachers College), Economics, English.

- Snodgrass, Annie Lee
A.B. (University of Maryland), History. Norton, Va.
- Snow, Denny Alexander
A.B. (Wofford), Education. Reidville, S. C.
- Snowden, Jesse Otho
A.B. (University of Mississippi), Education. Hickory, Miss.
- Snyder, Alfred Henry
B.S. (Grove City College), Education. Murrysville, Pa.
- Snyder, Eleanor Green
B.S. (Grove City College), Education. Murrysville, Pa.
- Spencer, John Corson
A.B. (University of Richmond), Education. Guinea Mills, Va.
- Stansberry, Katheryn Louise
A.B. (Carson-Newman), English, French. Clinton, Tenn.
- Starnes, Alvin Bradley
A.B. (Duke), Education. Mineral Springs, N. C.
- Stennett, Leroy
A.B. (Concord State Teachers College), Zoölogy. Hinton, W. Va.
- Stephenson, Laura Matthews
A.B. (Duke), Education. Durham, N. C.
- Stewart, Laura
B.S. (Woman's College of U. N. C.), Education, History. Monroe, N. C.
- Stewart, Mary Alice Leath
B.S. (Georgia State College for Women), Education. Durham, N. C.
- Stowe, David Henry
A.B. (Duke), Education. Oak Ridge, N. C.
- Stradley, Reese Gillespie
B.S. (Emory and Henry), Mathematics. Norton, Va.
- Strange, William Ernest
A.B. (University of Mississippi), Education, Mathematics. Enterprise, Miss.
- Strong, Bess
B.S. (Memphis State Teachers College), History, Latin. Bailey, Tenn.
- Stuart, Charles Morgan
A.B. (Wofford), Mathematics. Coronaca, S. C.
- Surrency, Eileen
B.S. (Wesleyan College), Education. Surrency, Ga.
- Sutton, Chester McKinley
A.B. (Haverford), English. Augusta, Ga.
- Sutton, Homer Bates
B.S. (Georgia State College for Men), Education, English. Albany, Ga.
- Swaringen, Roy Archibald
A.B. (Duke), Education. Norwood, N. C.
- Sykes, Paul Greene
B.S. (Wake Forest), Education. Durham, N. C.
- Taraskavicy, Michael Andrew
B.S. (Villanova), Education, History. Kulpmont, Pa.
- Tarver, David Franklin
A.B. (Centenary College of Louisiana), Religion. Greensboro, N. C.
- Tatum, William Gilchrist
A.B. (Duke), Economics. McColl, S. C.
- Taylor, David Alfred
A.B. (Lambuth College), Education, History. Milan, Tenn.

- Taylor, Edward Stanley
Ph.B. (Grove City College), Education
Mount Carmel, Pa.
- Taylor, Melvin Holmes
A.B. (Duke), Education.
Richfield, N. C.
- Taylor, Nancy Nettles
A.B. (Woman's College of U. N. C.), English.
Wilmington, N. C.
- Taylor, Richard Glissner
B.S. (Shippensburg State Teachers College), Zoölogy.
Shippensburg, Pa.
- Thomas, Bessie Anne
A.B. (Syracuse University), German.
Factoryville, Pa.
- Thompson, Laura Ellen
A.B. (High Point College), Economics, Education.
Jamestown, N. C.
- Thompson, Maury Weldon
A.B. (William and Mary), A.M. (George Washington), Education.
Richmond, Va.
- Thompson, Paul Everett
B.S. (South Georgia Teachers College), Education.
Vidalia, Ga.
- Thrift, Susie Webb
A.B. (Duke), Education.
Durham, N. C.
- Tillery, Doris Katherine
A.B. (Meredith College), Mathematics.
Scotland Neck, N. C.
- Tilley, Mary Pauline
A.B. (Duke), Education.
Durham, N. C.
- Timmerman, John Ransom, Jr.
A.B. (Furman), English.
Edgefield, S. C.
- Timmins, Chester Isaac
B.S. (Kutztown State Teachers College), Education.
Frackville, Pa.
- Todd, Frances Marion
A.B. (Winthrop), English.
Augusta, Ga.
- Triplett, Edna Bernadine
A.B. (Queens College), English.
Charlotte, N. C.
- Trostle, Paul Glenn
B.S. (West Chester State Teachers College), Education, English.
Gettysburg, Pa.
- Trueblood, Paul Graham
A.B. (Willamette University), A.M. (Duke), English.
Drain, Oregon
- Tryon, Florence Reno
B.S. (Florida State College for Women), Education.
Pensacola, Fla.
- Tuck, Lillian Pearl
Ph.B. (Elon College), Latin.
Virgilina, Va.
- Turner, Clarence Ambrose
A.B. (William and Mary), Religion.
South Boston, Va.
- Turner, Arne
A.B. (University of Georgia), English, Latin.
Dawson, Ga.
- Twaddell, Vera Carr
A.B. (Duke), Education.
Durham, N. C.
- Tyler, George William
B.S. (Emory and Henry), Mathematics.
Seven Mile Ford, Va..
- Usher, George Ephraim
A.B., A.M. (University of Georgia), English.
Homerville, Ga.
- VanHook, Benjamin Ormond
A.B. (Millsaps College), A.M. (Vanderbilt), Mathematics.
Jackson, Miss.
- Wagers, Sadie Franklin
A.B. (Summerland College), A.M. (University of S. C.), German.
Blackstock, S. C.

- Wagner, Horace McDonald
A.B. (Concord State Teachers College), Education, History. Montcalm, W. Va.
- Waite, Alex
A.B. (University of South Carolina), Education. Durham, N. C.
- Waite, Emma Campbell
A.B., A.M. (University of Texas), Education, English. Houston, Texas
- Waite, Nina
A.B. (University of Texas), Education, English. Houston, Texas
- Wall, Thomas Hylmon, Jr.
A.B. (Mercer), Education. Collins, Ga.
- Wallace, Frances
B.S. (Woman's College of U. N. C.), English. Statesville, N. C.
- Walton, Leslie Hughes
A.B. (University of Richmond), Education. Apple Grove, Va.
- Ward, Dean Davidson
A.B. (Ohio University), French. Durham, N. C.
- Warren, Marion
A.B. (Duke), Religion. Durham, N. C.
- Warren, Millard Whitfield
A.B. (Duke), Religion. Durham, N. C.
- Watkins, Anita
A.B. (Mississippi College), English. Clinton, Miss.
- Watson, James Donald
B.S. (Mansfield State Teachers College), Education. Athens, Pa.
- Weathers, Elmer Dewey
A.B. (Duke), Religion. Durham, N. C.
- Weaver, James Carlvn
A.B. (Lynchburg College), Education, French. Saxis, Va.
- Weddle, William McKinley
B.S. (George Peabody College), Education. Check, Va.
- Weeks, Benn
B.S. (Mansfield State Teachers College), Education. Dalton, Pa.
- Werner, Albert Henry
B.S. (Duke), Education. Durham, N. C.
- Wertz, Roy Albert
A.B. (Muhlenberg College), Education. Frackville, Pa.
- Westmoreland, Sloan
A.B. (University of South Carolina), Education. Travelers Rest, S. C.
- Whaley, Merle Batoon
A.B. (Athens College), Education. Martins, S. C.
- Wheeler, Estelle
A.B. (Newberry College), English, Sociology. Little Mountain, S. C.
- Whisenant, Zack Balous
A.B. (Blue Mountain College), Education. Myrtle, Miss.
- Whitehurst, Margaret Elizabeth
B.S. (Woman's College of U. N. C.), Economics. Rocky Mount, N. C.
- Wick, Charles Victor
B.S. (Slippery Rock State Teachers College), Education. Etna, Pa.
- Wilkerson, Lottie Pearle
A.B. (University of Tennessee), Economics, Sociology. Knoxville, Tenn.
- Wilkinson, Margaret Isabel
B.S. (California, Pa., State Teachers College), Education, History. California, Pa.

- Wilkinson, Ruth Louise
 B.S. (Millsaps College), Education. Jackson, Miss.
- Williams, Elizabeth Rose
 A.B. (Erskine), English, French. Iva, S. C.
- Williams, Ellis Downing
 B.S. (Mansfield State Teachers College), Education. Clark's Summit, Pa.
- Williams, Irene
 A.B. (Alabama College), A.M. (George Peabody College), Economics, English. Gadsden, Ala.
- Williams, Staton Pender
 A.B. (Duke), Economics. Robersonville, N. C.
- Williams, Victor Oliver
 B.S. (California State Teachers College), Education, History. California, Pa.
- Williford, Annie May
 A.B. (Barnard College), A.M. (Columbia), History. Anderson, S. C.
- Wilson, Agnes Louise
 A.B. (Duke), Education. Durham, N. C.
- Wilson, Dwight Lyman
 B.S. (University of Florida), Education. Mayport, Fla.
- Wilson, Elizabeth Gladys
 A.B. (Duke), Education. Durham, N. C.
- Wilson, Gerald Franklin
 A.B. (Southern College), Economics, Education. Tampa, Fla.
- Wilson, Harold Gerald
 B.S. (University of Florida), Education. Center Hill, Fla.
- Wilson, Thornton Rogers
 A.B. (Hampden-Sydney), English. Paces, Va.
- Wimbish, Florelle Burwell
 A.B. (William and Mary), Education, English. Nathalie, Va.
- Winton, Lowell Sheridan
 B.S. (Grove City College), A.M. (Oberlin College), Mathematics. Fredericktown, Pa.
- Witt, Catherine
 A.B. (Tulane), Mathematics. Tupelo, Miss.
- Wolff, Ruth Elizabeth
 A.B. (Western College, Ohio), Economics. Newport, Ky.
- Wollet, Charles
 A.B. (Newberry), Education. Statesboro, Ga.
- Wood, Euna Kelly
 A.B. (Asbury College), Economics, History. Union, Miss.
- Wood, Helene Evaline
 B.S. (Indiana Teachers College), Economics, Sociology. Akeley, Penn.
- Wood, Lena Emily
 A.B. (Asbury College), French. Union, Miss.
- Wyatt, Alexander Knox
 B.S. (Presbyterian College), Economics. Chickamauga, Ga.
- Zirkle, William Isaiah
 A.B. (Roanoke College), Education, English. Edinburg, Va.

JUNALUSKA SUMMER SCHOOL OF 1933

Anderson, Lewis Edward B.S. (Mississippi State), A.M. (Duke), Botany.	Courtland, Miss.
Bogges, William Randolph A.B. (Concord State, West Virginia), Botany.	Oakvale, W. Va.
Bowles, Madison Harwell B.S. (Emory), Botany.	Gay, Ga.
Evans, Blanche A.B. (University of Alabama), Botany.	Goodwater, Ala.
Glasson, Mary Embry A.B. (Duke), Botany.	Durham, N. C.
Hoganson, Orpha Ilese B.S. (University of Minnesota), Botany.	Humboldt, Iowa
Mallard, Morgan Elmo B.S. (South Georgia State Teachers College), Botany.	Savannah, Ga.
Orr, Emily A.B. (Wesleyan College, Georgia), Botany.	Macon, Ga.
Parham, Chester Lee A.B. (Lambuth), Botany.	Jackson, Tenn.
Singletary, Mary Leora B.S. (Florida State College for Women), Botany.	Kissimmee, Florida
Slack, Mabel B.S. (University of Louisville), Botany.	Louisville, Ky.
Smith, Frank Ferrell A.B. (Duke), Botany.	Durham, N. C.
Thackston, Thomas Jackson B.S. (Furman), Botany.	Greenville, S. C.

SUMMER OF 1933; SECOND TERM

Adams, Ruby Irene A.B. (Florida State College for Women), Education, History.	Jacksonville, Fla.
Allston, Mary Louise A.B. (Lander), Education.	Greenwood, S. C.
Anderson, Mary Ruby B.S. (Drexel), Education, Psychology.	York, Pa.
Anderson, Thomas, Jr. A.B. (Furman), Education.	Greenville, S. C.
Archer, Ralph Oren B.S. (State Teachers College, Johnson City), History.	Johnson City, Tenn.
Balch, Alfonso Joseph B.S. (Ursinus), Education, Zoölogy.	Philadelphia, Pa.
Baldwin, Clinton Theodore A.B. (Furman), History.	Orangeburg, S. C.
Barbee, Arthur Odell A.B. (Duke), Education.	Durham, N. C.
Barocco, Orlando Iderico B.S. (Mansfield State Teachers College), Education.	Elkland, Pa.
Bateman, Eva A.B. (East Carolina Teachers Collge), Education.	New Bern, N. C.

- Bates, Florence Wannamaker
A.B. (Winthrop), English, French. Orangeburg, S. C.
- Baucom, Thomas Victor
A.B. (Duke), Mathematics. Durham, N. C.
- Beavers, Hallie
A.B. (Woman's College of U. N. C.), Education. Siler City, N. C.
- Bell, Mary Catherine
A.B. (University of Richmond), Latin. Richmond, Va.
- Belles, Oscar
A.B. (Harvard), A.M. (Columbia), Mathematics. Greenville, Pa.
- Bennett, Walter Hartwell, Jr.
A.B. (University of Richmond), Economics. Danville, Va.
- Benson, Olga Dorothea
A.B. (University of Miami), Education. Miami, Fla.
- Bettsworth, John Knox
A.B. (Millsaps), History. Jackson, Miss.
- Boggs, Eunice Elizabeth
A.B. (Greenville Woman's College), English, History. Liberty, S. C.
- Boggs, Mary Amber
A.B. (Greenville Woman's College), Latin. Liberty, S. C.
- Bolen, Claude Waldron
A.B. (Emory and Henry), Education, History. Bluefield, W. Va.
- Bond, Wita Avis
A.B. (East Carolina Teachers College), Mathematics. Rocky Mount, N. C.
- Boothe, Mildred Louise
A.B. (Wesleyan, Ga.), Education. Fort Pierce, Fla.
- Boyd, Ophelia Adele
A.B. (Florida State College), History, Mathematics. Jacksonville, Fla.
- Bramlette, Nancy Lucile
A.B. (Winthrop), Education, English. Greenville, S. C.
- Brandt, Bartholomew Brandner
B.S. (Mississippi State College), Zoölogy. Washington, N. C.
- Braswell, Marcus Battle
A.B. (University of North Carolina), Education. Whitakers, N. C.
- Brown, Nell
A.B. (Baylor University), Zoölogy. Big Spring, Texas
- Browning, Elmer Ross
A.B. (Marshall), Education. Sharples, W. Va.
- Brua, Naomi Isabelle
B.S. (Indiana State Teachers College), Education. Hollidaysburg Pa.
- Buchanan, Grace Evelyn
A.B. (Duke), Education. Chilhowie, Va.
- Bukowski, Joseph Frank
A.B. (Dickinson), Education, History. Plymouth, Pa.
- Eull, Virginia Anne
A.B. (Wesleyan), History. Atlanta, Ga.
- Bumgarner, Winnie Lucille
A.B. (Lenoir-Rhyne), History. Hickory, N. C.
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B.S. (Alfred), A.M. (Columbia), Chemistry. Rockville, R. I.

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A.B. (Susquehanna University), Education, English.
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B.S. (Tennessee State Teachers College), Education.
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B.S. (Millsaps), Education.
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A.B. (Mercer), Education, English.
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A.B. (Lebanon Valley), Education, English.
- Farris, Gladys Lindsey Allisionia, Va.
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A.B. (Emory and Henry), Education.
- Ferguson, Marguerite Jacksonville, Fla.
A.B. (Central State), English.

- Flanders, Bertram Holland Oxford, Ga.
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B.S. (University of Georgia), Education.
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A.B. (Marywood), Economics.
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B.S. (West Chester Teachers College), Education.
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A.B. (Guilford), English.
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Ph.B. (Muhlenberg), Education.
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A.B., A.M. (Baylor University), Education.
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B.S. (Ohio University), M.Ed. (University of Pittsburgh), Education,
Psychology.
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A.B. (Duke), Education.
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B.S. (University of Pittsburgh), Education.
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A.B. (Goucher), Economics.
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B.S. (Mansfield State Teachers College), Education.

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B.S. (The Citadel), French, History. Abbeville, S. C.
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A.B. (Goucher), Mathematics. Baltimore, Md.
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B.S. (Muhlenburg College), Education. Fleetwood, Pa.
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A.B. (Duke), French, History.	
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Landis, Robert James	Jackson, Miss.
B.S. (Millsaps College), Education, History.	
Langdale, Marguerite	Valdosta, Ga.
A.B. (Georgia State Woman's College), Latin.	
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A.B. (Marshall), English, Education.	
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Leibensperger, Bruce Tilghmann	Summit Hill, Pa.
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LeRoy, Hester Franklin	Clay Hill, Ga.
A.B. (Mercer), English.	

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A.B. (Birmingham-Southern), Economics. Birmingham, Ala.
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Litt.B. (Grove City), Education. Mildred, Pa.
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A.B. (Birmingham-Southern), A.M. (Duke), German. Irondale, Ala.
- McGhee, Grant Oliver
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- McNicoll, Robert Edwards
A.B. (University of Miami), History. Hollywood, Fla.
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A.B. (University of Chattanooga), Mathematics. Chattanooga, Tenn.
- Mattern, Jay Richard
B.S. (Susquehanna University), Education. Troxelville, Pa.
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A.B. (Duke), Education. Durham, N. C.
- Maynard, Martha
A.B. (Meredith), A.M. (Wellesley), Latin. Raleigh, N. C.
- Meeks, Lucile Lester
A.B. (Randolph-Macon Woman's College), English. Baltimore, Md.
- Meredith, Evelyn Tucker
A.B. (University of Cincinnati), English, History. Nichols, Fla.
- Meredith, Flora Marie
A.B. (Duke), Education. Fort Pierce, Fla.
- Meyer, Ambrose Eden
A.B. (Lebanon Valley), History. Jacksonville, Fla.
- Miller, Frank Myron
A.B. (Pennsylvania State), A.M. (Stanford), Education. Erie, Pa.
- Miller, Nancy Hartley
A.B. (University of Louisville), Education. Ashland, Ky.
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A.B. (Erskine), Education. Hodges, S. C.
- Moore, Bertha
B.S. (Salem), Education, History. Fayetteville, N. C.
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B.S. (Virginia Military Institute), Education. Roanoke, Va.
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A.B. (Western College), Economics. Louisville, Ky.
- Morrow, Alice Elbridge
A.B. (Western College), Education, History. Louisville, Ky.

- Mounts, Charles Eugene Gainesville, Fla.
A.B., A.M. (University of Florida), English.
- Mouton, Eve Rita Lafayette, La.
A.B. (Southwestern Louisiana Institute), Education.
- Mumford, Carey Gardner Raleigh, N. C.
A.B. (Wake Forest), Mathematics.
- Munsey, Lassie May Wartrace, Tenn.
A.B. (University of Chattanooga), Economics.
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B.S. (Georgia State College for Women), Education.
- Newcomer, Richard Seyler Elkins Park, Pa.
B.S. (Ursinus), Economics.
- Newlin, Ira Guthrie Saxapahaw, N. C.
B.S. (Guilford), A.M. (Haverford), Chemistry.
- Newman, Mary Rowena Winston-Salem, N. C.
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A.B. (Washington and Lee), Chemistry.
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A.B. (Lynchburg), Education.
- Okes, Karl Jansen Glen Hedrick, W. Va.
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A.B. (Earlham), A.M. (University of Pennsylvania), English.
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A.B. (Concord State), Education.
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A.B. (Lebanon Valley), Education, Latin.
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B.S. (East Stroudsburg State Teachers College), Education, English.
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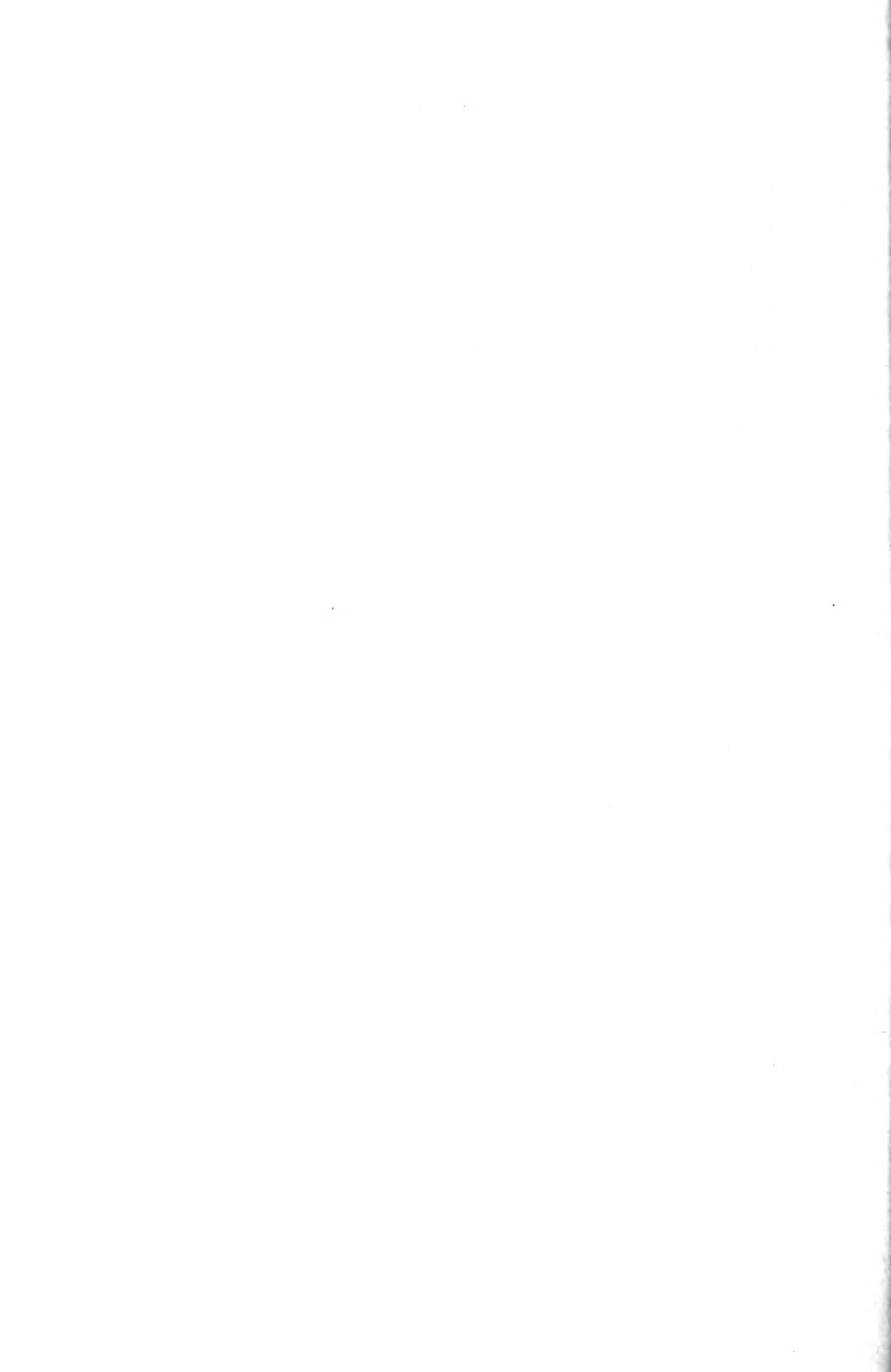
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B.S. (Clemson), Education, English. Milledgeville, Ga.
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A.B. (University of Chattanooga), B.Lit. (Columbia), English. Augusta, Ga.
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A.B. (Moravian), Education. Winston-Salem, N. C.
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Psychology. Columbia, S. C.
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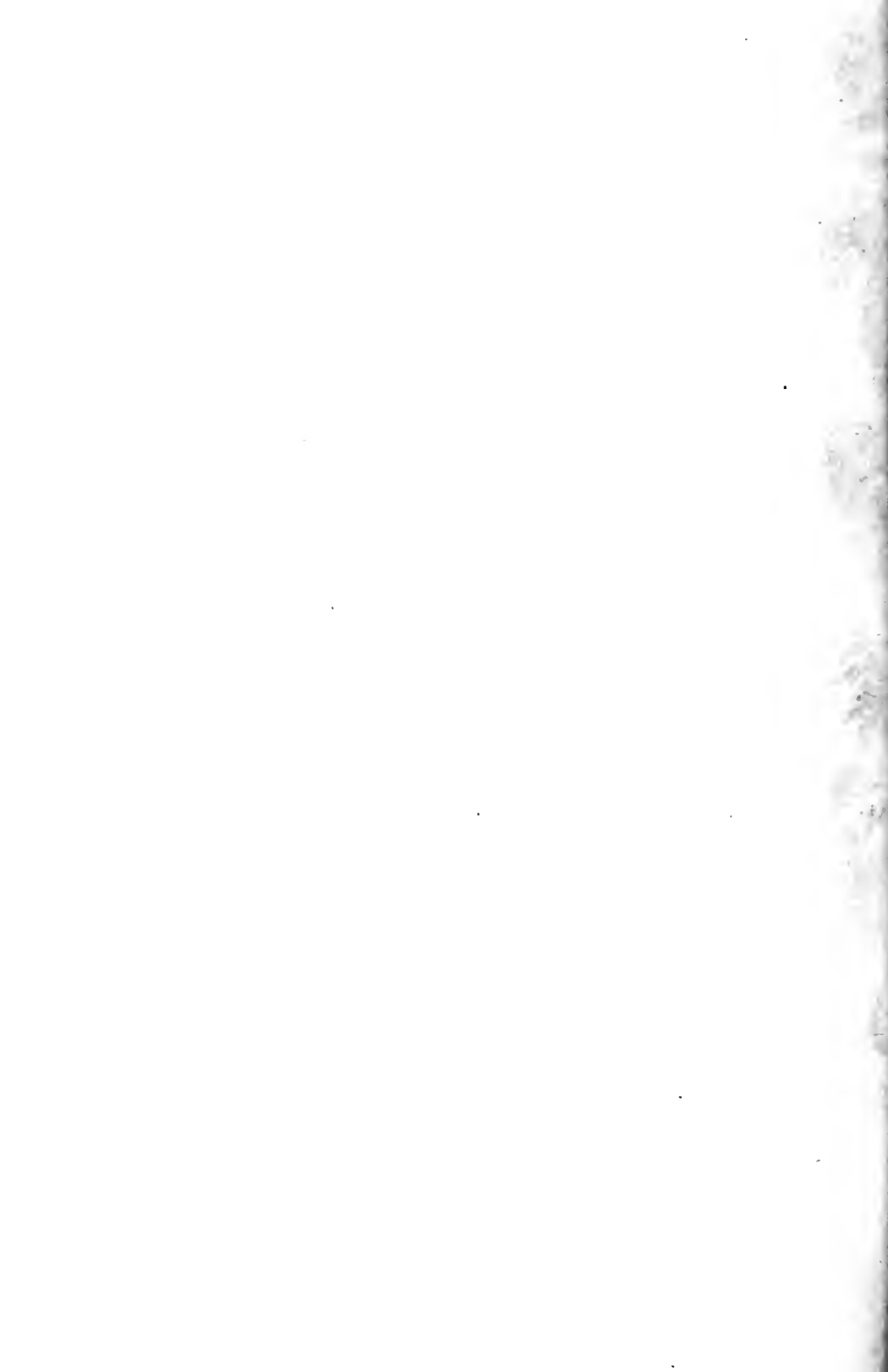
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A.B. (University of Richmond), Education, History. Guinea Mills, Va.
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A.B. (Duke), Education. Durham, N. C.
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A.B. (Duke), History. Oak Ridge, N. C.
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Ph.B. (Dickinson), History. Democrat, Ky.
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B.S. (Rutgers), Economics, History. High Point, N. C.
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B.S. (Mansfield State Teachers College), Education, Mathematics. Athens, Pa.
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B.S. (Lebanon Valley), Education, Mathematics. Harrisburg, Pa.
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A.B. (University of Miami), Education. Miami Beach, Fla.

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Zirkle, William Isaiah A.B. (Roanoke College), Education, English.	Edinburg, Va.

SUMMARY

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Total enrollment	807







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DUKE UNIVERSITY

Vol. 6

JUNE, 1934

No. 6

SCHOOL OF LAW



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BULLETIN
OF
DUKE UNIVERSITY



SCHOOL OF LAW

MEMBER OF THE ASSOCIATION OF AMERICAN LAW SCHOOLS
APPROVED BY THE AMERICAN BAR ASSOCIATION

ANNOUNCEMENT FOR 1934-35

DURHAM, NORTH CAROLINA
1934



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CALENDAR

1934

- September 18. Tuesday—Registration of Law Students.
September 20. Thursday—Commencement of Instruction.
November 11. Sunday—Armistice Day.
November 29. Thursday—Thanksgiving Day—A holiday.
December 11. Tuesday—Duke University Day—Not a holiday.
December 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

- January 3. Thursday, 8:40 A.M.—Instruction is resumed.
January 19. Saturday—Mid-year examinations begin.
January 30. Wednesday—Last day for matriculation for second semester.
January 31. Thursday—Second semester begins.
February 22. Friday—A holiday.
March 27. Wednesday, 4 P.M.—Easter recess begins.
April 3. Wednesday, 8:40 A.M.—Instruction is resumed.
May 22. Wednesday—Final examinations begin.
June 2. Sunday—President's address to graduating class.
June 3. Monday—Annual meeting of the Board of Trustees.
June 3. Monday—Annual meeting of the Alumni and Alumnae Councils.
June 4. Tuesday—Faculty breakfast for Law Seniors.
June 4. Tuesday morning—Commencement sermon.
June 4. Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business Meeting of the Alumnae Association.
June 4. Tuesday evening—Reception in honor of the graduating class.
June 5. Wednesday morning—Commencement address; graduating exercises.



I. TRUSTEES AND FACULTY

TRUSTEES OF DUKE UNIVERSITY

G. G. ALLEN, New York City	M. E. NEWSOM, Durham, N. C.
S. S. ALDERMAN, Washington, D. C.	W. R. ODELL, Concord, N. C.
J. H. BARNHART, Reidsville, N. C.	H. A. PAGE, Aberdeen, N. C.
JAMES A. BELL, Charlotte, N. C.	W. W. PEELE, Charlotte, N. C.
J. F. BRUTON, Wilson, N. C.	W. R. PERKINS, New York City
R. G. CHERRY, Gastonia, N. C.	W. N. REYNOLDS, Winston-Salem, N. C.
H. R. DWIRE, Durham, N. C.	D. C. ROPER, Washington, D. C.
D. S. ELIAS, Asheville, N. C.	J. H. SEPARK, Gastonia, N. C.
R. L. FLOWERS, Durham, N. C.	J. B. SHERRILL, Concord, N. C.
W. W. FLOWERS, New York City	F. M. SIMMONS, New Bern, N. C.
THOMAS M. GRANT, New Bern, N. C.	J. R. SMITH, Mt. Airy, N. C.
P. H. HANES, Winston-Salem, N. C.	WILLIS SMITH, Raleigh, N. C.
J. L. HORNE, JR., Rocky Mount, N. C.	W. A. STANBURY, Greensboro, N. C.
J. B. HURLEY, Lexington, N. C.	EARLE W. WEBB, New York City
J. F. KIRK, Greensboro, N. C.	S. B. TURRENTINE, Greensboro, N. C.
C. F. LAMBETH, Thomasville, N. C.	F. M. WEAVER, Asheville, N. C.
J. A. LONG, Roxboro, N. C.	B. S. WOMBLE, Winston-Salem, N. C.
T. F. MARR, Marion, N. C.	J. C. WOOTEN, Durham, N. C.
R. A. MAYER, Charlotte, N. C.	

The officers of the Board are: Chairman, J. F. Bruton; Vice-Chairman, T. F. Marr; Recording Secretary, R. L. Flowers.

The Executive Committee consists of J. F. Bruton (ex officio), W. P. Few (ex officio), G. G. Allen, M. E. Newsom, J. H. Separk, W. N. Reynolds, and J. C. Wooten. The Law School Committee comprises Willis Smith, James A. Bell, W. R. Perkins, and B. S. Womble.

TRUSTEES OF THE DUKE ENDOWMENT

G. G. ALLEN, New York City	E. C. MARSHALL, Charlotte, N. C.
W. B. BELL, New York City	W. C. PARKER, New York City
C. I. BURKHOLDER, Charlotte, N. C.	W. R. PERKINS, New York City
N. A. COCKE, Charlotte, N. C.	W. S. RANKIN, Charlotte, N. C.
MISS DORIS DUKE, New York City	W. N. REYNOLDS, Winston-Salem, N. C.
MRS. J. B. DUKE, New York City	W. S. O'B. ROBINSON, JR., Char- lotte, N. C.
R. L. FLOWERS, Durham, N. C.	A. H. SANDS, JR., New York City
B. E. GEER, Greenville, S. C.	
*W. S. Lee, Charlotte, N. C.	

The officers of the Board are: Chairman, G. G. Allen; Vice-Chairman, W. R. Perkins and W. S. Lee; Secretary, A. H. Sands, Jr., Treasurer, W. C. Parker; Assistant Secretary, N. A. Cocke.

* Deceased.

FACULTY

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., LL.D.

PRESIDENT OF THE UNIVERSITY.

JUSTIN MILLER, A.B., LL.B., J.D.

DEAN AND PROFESSOR OF LAW.

A.B. 1911, Stanford University; LL.B., 1913, University of Montana; J.D. 1914, Stanford University; Asst. Instr. in Law, University of Montana, 1912-13; Instructor in English, Stanford University, 1913-14; general practice, 1914-21; Dist. Atty., King's County, Calif., 1915-18; Atty. for Calif. State Comm. of Immigration and Housing, 1919-21; Lecturer, University of California, summer 1920; Professor of Law, University of Oregon, 1921-23; University of Minnesota, 1923-26; Stanford University, summer 1926; University of California, 1926-27; Dean, School of Law, University of Southern California, 1927-30; Visiting Professor of Law, Columbia University, summer 1929; Dean and Professor of Law, Duke University, since 1930.

BRYAN BOLICH, A.B., B.A., M.A., B.C.L.

PROFESSOR OF LAW.

A.B. 1917, Duke University; Duke University Law School 1919-21; B.A. 1923, Oxford University; B.C.L. 1924, Oxford University; M.A. 1927, Oxford University; general practice, 1924-27; Professor of Law, Duke University, since 1927.

JOHN S. BRADWAY, A.B., A.M., LL.B.

PROFESSOR OF LAW AND DIRECTOR OF THE LEGAL AID CLINIC.

A.B. 1911, Haverford College; A.M. 1915, Haverford College; LL.B. 1914, University of Pennsylvania; general practice, 1914-29; Legal Aid Society of Philadelphia, 1914-20; chief counsel, Philadelphia Legal Aid Bureau, 1920-22; Secretary National Association of Legal Aid Organizations since 1923; Visiting Professor of Law and Director of the Legal Aid Clinic, University of Southern California, summer 1928; Professor of Law and Director of the Legal Aid Clinic, University of Southern California, 1929-31; Professor of Law and Director of Legal Aid Clinic, Duke University, since 1931.

PAUL WESLEY BRUTON, A.B., LL.B., J.S.D.

ASSOCIATE PROFESSOR OF LAW.

A.B. 1929, University of California; LL.B. 1929, University of California; J.S.D. 1930, Yale University; assistant to the Calif. Code Comm., summer 1930; Instructor in Law, Yale University, 1930-32; University of California, summer 1932; Associate Professor of Law, Duke University, since 1932.

THADDEUS DILLIARD BRYSON

PROFESSOR OF LAW.

Emory and Henry College, 1889-90; University of North Carolina, 1891-95; finished Law School, University of North Carolina, 1895; general practice, 1895-1918; Solicitor, 20th Judicial District, North Carolina, 1908-16; Judge, Superior Court, North Carolina, 1918-26; general practice, 1926-27; Professor of Law, Duke University, since 1927.

DAVID F. CAVERS, B.S., LL.B.

PROFESSOR OF LAW.

B.S. in Econ. 1923, University of Pennsylvania; LL.B. 1926, Harvard University; general practice, 1926-29; Instructor in Law, Harvard University, 1929-30; Assistant Professor of Law, West Virginia University, 1930-31; Assistant Professor of Law, Duke University, 1931-32; Professor of Law, Duke University, since 1932.

LESLIE CRAVEN, A.B., J.D.

PROFESSOR OF LAW.

A.B. 1909, Stanford University; Harvard Law School, 1909-10; J.D. 1911, Stanford University; general practice, 1912-16; assistant valuation counsel, 1916-18, and valuation counsel, 1919-32, for the associated Class I Western Railroads (Presidents' Conference Committee); Research staff, Federal Coördinator of Transportation, since 1933; Professor of Law, Duke University, since 1932.

LON L. FULLER, A.B., J.D.

PROFESSOR OF LAW.

A.B. 1924, Stanford University; J.D. 1926, Stanford University; Assistant Professor of Law, University of Oregon, 1926-27; Associate Professor of Law, University of Oregon, 1927-28; Associate Professor of Law, University of Illinois, 1928-30; University of Chicago, summer 1930, 1933; Professor of Law, University of Illinois, 1930-31; University of Washington, summer 1931; Professor of Law, Duke University, since 1931.

WARNER FULLER, B.S., LL.B.

ASSISTANT PROFESSOR OF LAW.

B.S. 1924, University of Oregon; LL.B. 1927, Yale University; research assistant, Yale Law School, 1927-28; general practice, 1928-32; Assistant Professor of Law, Duke University, since 1932.

H. CLAUDE HORACK, Ph.B., LL.B.

PROFESSOR OF LAW.

Ph.B. 1899, State University of Iowa; LL.B. 1900, State University of Iowa; LL.B. 1904, Harvard University; Assistant Professor of Law, University of Wisconsin, 1904-07; Professor of Law, State University of Iowa, 1907-30; University of Michigan, summer 1922; University of Wisconsin, summer 1924; University of Southern California, summer 1931; Advisor, Council of Legal Education and Admissions to the Bar of the American Bar Association, 1927-30; Secretary, Association of American Law Schools, 1926-28, President, 1929; Professor of Law, Duke University, since 1930.

DOUGLAS BLOUNT MAGGS, A.B., J.D., S.J.D.

PROFESSOR OF LAW.

A.B. 1922, University of California; J.D. 1924, University of California; S.J.D. 1926, Harvard University; general practice 1924-25; Assistant Professor of Law, University of California, 1926-27; Professor of Law, University of Southern California, 1927-30; Visiting Professor of Law, Columbia University, 1928-29; University of California, summer 1927; Cornell University, summer 1928; University of Chicago, summer 1929; Professor of Law, Duke University, since 1930.

MALCOLM McDERMOTT, A.B., LL.B.

PROFESSOR OF LAW AND DIRECTOR OF DEPARTMENT OF LEGISLATIVE RESEARCH AND DRAFTING.

A.B. 1910, Princeton University; LL.B. 1913, Harvard University; general practice, 1913-30; Dean, College of Law, University of Tennessee, 1920-30; University of Southern California, summer 1929; Professor of Law, Duke University, 1930-31; Professor of Law and Director of Department of Legislative Research and Drafting, since 1931.

GORDON E. DEAN, A.B., J.D., LL.M.

INSTRUCTOR IN LAW AND ASSISTANT TO THE DEAN.

A.B. 1927, University of Redlands; J.D. 1930, University of Southern California; LL.M. 1932, Duke University; Assistant to the Dean of the School of Law, Duke University, 1930-32; Instructor in Law and Assistant to the Dean of the School of Law, Duke University, since 1932.

MARSHALL TURNER SPEARS, A.B., A.M.

LECTURER IN LAW.

A.B. 1913, University of North Carolina; A.M. 1914, University of North Carolina; studied law, University of North Carolina, 1913-15; general practice, since 1915; Assistant Professor of Law, Duke University, 1927-1930; Lecturer in Law, since 1930.

WILLIAM R. ROALFE, LL.B.

LAW LIBRARIAN.

LL.B. 1922, University of Southern California; general practice, 1923-25; Law Librarian, University of Southern California, 1927-30; Law Librarian, Duke University, since 1930.

MARY SIMMONS COVINGTON, A.B., LL.B.

RESEARCH LIBRARIAN.

A.B. 1905, Shorter College; LL.B. 1922, George Washington University; general practice, 1924-30; Research Librarian, Duke University, since 1930.

FACULTY COMMITTEES

- Committee on Coöperation with Medical School:* John S. Bradway, Chairman, T. D. Bryson, H. C. Horack.
- Committee on Curriculum:* Paul W. Bruton, Chairman, Leslie Craven, Bryan Bolich, John S. Bradway, T. D. Bryson, Douglas B. Maggs, Malcolm McDermott.
- Committee on Graduate Study:* Lon L. Fuller, Chairman, Bryan Bolich, Leslie Craven, H. C. Horack, Douglas B. Maggs.
- Committee on Rules:* David F. Cavers, Chairman, Bryan Bolich, Paul W. Bruton.
- Committee on Scholarship:* Malcolm McDermott, Chairman, Warner Fuller, Leslie Craven.

ADVISORY COMMITTEE

A committee of representative men is being set up for the purpose of providing regional depositories of information regarding the Law School and for the purpose of advising prospective students. Those members of the committee now selected are:

- James A. Bell, Charlotte, North Carolina.
 Norman A. Cocke, Charlotte, North Carolina.
 Charles P. Megan, Chicago, Illinois.
 William R. Perkins, New York City.
 Daniel C. Roper, Washington, D. C.
 William H. Sawyer, Concord, New Hampshire.
 Willis Smith, Raleigh, North Carolina.
 B. S. Womble, Winston-Salem, North Carolina.

II. ORGANIZATION, EQUIPMENT, AND SPECIAL ACTIVITIES

HISTORY AND ORGANIZATION

The School of Law of Trinity College was founded in the summer of 1904 upon an endowment established by James B. Duke and Benjamin N. Duke. Samuel Fox Mordecai, distinguished lawyer and teacher, organized the School and was its dean until his death in 1927. Its establishment set a new standard in Southern legal education in that it was the first school to require college work as preliminary to law study. It required the completion of two years of college work as a prerequisite to entrance, the case method was used as the basis of instruction, and the completion of three years resident study was required for a law degree.

In 1924 the School of Law became the law school of Duke University pursuant to the establishment of the Duke Endowment. In 1930 the School was moved into its new building, the faculty and library were greatly increased, and the activities of the School broadened. In 1931 the entrance requirement was raised from two, to the present requirement of three years of college work. The School of Law is a member of the Association of American Law Schools and is on the approved list of the American Bar Association.

The ideas of the founder with reference to the University and its training of lawyers is thus expressed in the indenture and deed of trust establishing the Duke Endowment:

I have selected Duke University as one of the principal objects of this trust, because I recognize that education, when conducted along sane and practical, as opposed to dogmatic and theoretical lines, is next to religion, the greatest civilizing influence. I request that this institution secure for its officers, trustees and faculty men of such outstanding character, ability and vision as will assure its attaining and maintaining a place of real leadership in the educational world, and that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination and application evincing a wholesome and real ambition for life. And I advise that the courses at this institution be arranged, first, with special

reference to the training of preachers, lawyers and physicians, because these are most in the public eye, and by precept and example can do most to uplift mankind. . . .

PURPOSES AND METHOD OF INSTRUCTION

The School of Law offers such courses in its curriculum as will provide an adequate preparation for the practice of law in any state. Through facilities for study and research, training is afforded for those looking to the teaching of law as a profession, as well as those desiring to specialize in particular branches of the law. In addition, several courses are offered for the benefit of students intending to practice in North Carolina.

It is conceived that the trust imposed by the Duke indenture cannot be discharged by the mere instruction of the student in the rules and principles of law which have received acceptance in a single state or in common law jurisdictions generally. The case method of legal education, as employed in the School of Law, by compelling analysis of judicial opinions and inquiry into the various legal and non-legal considerations underlying them, acquaints the student not only with legal doctrine, but also with the judicial process and the rôle of the courts as creative agencies in social development.

The curriculum has been arranged with a view to insuring not only a balanced selection of courses in the first two years of study, but also an opportunity for some degree of specialization in the third year so that by intensive work in a single field the student may acquire a degree of mastery in its problems. The increasing interrelation of the economic and political problems in the life of the nation and the consequent responsibility of the lawyer in effecting the necessary adjustments are recognized in an ample offering of courses in Public Law, in which special consideration is given to the work of the legislative and administrative agencies of government.

To provide scope for creative work by the student, seminar courses and the courses in Current Decisions are offered. To achieve balance between intellectual discipline and that practical training which the young lawyer is otherwise left to obtain at the expense of his clients, courses are offered in Research and Briefing and Practice Court, and the third-year class participates in the work of the Legal Aid Clinic, described below.

Through the organization of the student body in a Bar Association, a medium is afforded for extra-curricular activity designed to awaken in the student a sense of responsibility as a member of his profession and to familiarize him with a type of organization through which some contribution to the well-being of his profession and society may be made.

The courses of study offered in the School of Law are described at pages 25 to 33 of this Bulletin.

THE LAW SCHOOL BUILDING

The law building, like all other structures on the main campus of Duke University, is in Tudor Gothic style of colorful Cambrian stone from the Duke University quarries. It was occupied by the School of Law, for the first time in September, 1930. In it are class rooms, seminar rooms, offices for faculty and staff, quarters for a Legal Aid Clinic, a Department of Legislative Research and Drafting, a court room equipped for trial court and appellate court sessions, and the law library.

THE LAW LIBRARY

The Law Library contains a collection of more than forty-eight thousand volumes and is the largest law school library in the South. It consists of American and English statutory and case law; a collection of Continental Law materials; treatises, digests, encyclopedias; the various selected case series; a comprehensive collection of legal periodicals; publications in the fields of history, economics, government, and the other social sciences, supplemental to the strictly legal materials; and a special collection of legal biographical material. The library now subscribes to every current legal periodical of general interest printed in the English language.

There are several thousand additional volumes of a legal nature in the main library building, immediately adjoining the Law School, as well as the general collection of over three hundred thousand volumes, which include government documents and works on the social sciences, to all of which the law students and faculty have convenient access.

LEGISLATIVE RESEARCH AND DRAFTING

The Department of Legislative Research and Drafting has been organized to serve as a legislative reference and drafting bureau, wherein students of legislation may obtain actual experience and training in the drafting of statutes and the research work incident thereto. The Department's activities include not only the preparation of bills and the investigation of facts on which particular legislation is predicated, but also the making of studies on subjects connected with legislative policy. Its services are availed of by legislators and others interested in legislative projects before the national and the various state and local governments. The Department sponsors no measures, but seeks to aid in the improvement of the form and substance of statute law.

THE LEGAL AID CLINIC

A Legal Aid Clinic was organized at the School of Law in 1931 under the direction of Professor John S. Bradway, who had directed similar undertakings in Philadelphia and Los Angeles. The purpose of the Clinic is twofold: to provide legal assistance for indigent persons, and to acquaint the student, by direct contact under faculty supervision, with certain of the problems of "law in action" which may escape emphasis in the study of "law in books." The student is obliged to synthesize his theoretical knowledge in applying it to concrete situations which may often cut across course boundaries. He is trained in the technique of fact-gathering, the strategy of a law suit, the handling of clients, and the management of a law office. A handbook and case materials relating to such problems have been prepared for study in conjunction with work in actual cases. The practice in the Clinic is of a sort calculated to stress the ethical responsibilities of the lawyer and the social implications of his work. The latter aspect of this work is developed further by contacts established between the Clinic and various agencies of social welfare in the State.

The Legal Aid Clinic is in effect a large well-rounded law office offering the student experience in interviewing clients, preparing cases for adjustment or for trial in court, briefing, investigation of facts and other tasks familiar to the practicing attorney. Between two hundred and three hundred cases a year

are received by the Clinic. Only those applicants who are unable to pay counsel fees and only those cases where there is no opportunity for a contingent fee are accepted by the Clinic.

The activities of the Clinic are centered in a suite of offices in the Law School Building. In addition to the Director, a staff of three members of the North Carolina State Bar assist in the educational activities of the Clinic and represent its clients in court proceedings. Work in the Legal Clinic is required of members of the third year class.

THE PRACTICE COURSE

The practice course in the School of Law is under the direction of Judge T. D. Bryson, for eight years Judge of the Superior Court from the Twentieth Judicial District of North Carolina. The object of the course is to offer third-year students an opportunity to visualize by actual experience the application of the principles of law imparted in other courses.

The course features trial court practice in both civil and criminal actions, appellate practice, the drawing of contracts and wills, making abstracts of title, and drafting of other legal papers incident to the work of the active legal practitioner. In order that the work may correspond to the work of a trial court, a courtroom with the usual appointments, including judge's bench, jury box, stenographer and clerk's desk, bar, etc., has been provided.

LEGAL PERIODICALS

The first issue of *Law and Contemporary Problems*, a quarterly published by the School of Law under the editorship of Professor Cavers, appeared in December, 1933. This periodical will present in each issue a symposium on a problem of current legal importance in which the interrelated social and economic, as well as legal, factors will be discussed by writers of competence in these respective fields. Where student research may contribute to the understanding of the legal aspects of such problems, student writings are accepted for publication. The topics discussed in the issues of *Law and Contemporary Problems* which have appeared to date are "The Protection of the Consumer of Food and Drugs" and "Low-Cost Housing and Slum Clearance."

The Duke Bar Association began in 1933 the publication of the *Duke Bar Association Journal* in which appear reports of addresses made before the Association by distinguished guests, proceedings of the Association at its regular meetings, and items of interest concerning the School. To afford a medium for the publication of the student notes and comments on recent important decisions prepared in the Current Decisions course without necessitating the inclusion in the quarterly of the department of student work usual in "law reviews," the *Journal* publishes such notes and comments as are deemed by the editors to be of special merit. Professor Cavers serves as adviser to the student editorial board of the *Journal*.

THE DUKE BAR ASSOCIATION

The Duke Bar Association was established in the spring of 1931. It is composed of all the students of the Law School and is organized along the lines of the American Bar Association. Its purpose is to introduce the student to the problems considered by the bar in professional organizations and to develop in the student feelings of professional consciousness and professional responsibility. Its activities are carried on by the students with the coöperation of Professor H. C. Horack of the Law Faculty as adviser.

III. ADMISSION OF STUDENTS

DIRECTIONS TO APPLICANTS FOR ADMISSION

Applications should be made on the prescribed Law School application blanks which will be sent upon request. Each application for regular or advanced standing must be accompanied by a complete transcript of record and evidence of graduation or honorable withdrawal from the institution from which credit is offered. To the application blank should be attached a recently-made personal photograph.

Whenever possible, the Law School will arrange for a personal interview between the applicant and a representative of the University. In all cases where a personal interview is not practicable, letters from responsible persons, certifying to the character and ability of the applicant, are required. It is desired that students may be selected who give promise of leadership in some of the various phases of professional activity. It is recognized that such selection is difficult. However, graduation from Duke University School of Law is intended to constitute evidence of capacity for superior work in some branch of the profession of law. Applicants for admission and their sponsors are requested to keep this fact in mind.

REQUIREMENTS FOR ADMISSION

Any person may be admitted to the study of law who has completed, with class standing satisfactory to the faculty, work equivalent to three-fourths of that acceptable for a Bachelor's degree in the undergraduate department of Duke University or of some other college or university of approved standing. Such work must have been completed with an average grade of "C" (on a scale in which "D" is a passing grade) or its equivalent.

COMBINED COURSE

Arrangements have been made with some colleges for students, who have completed therein three years of arts college work, to enter the Law School of Duke University and upon

the satisfactory completion of the first year of law school work to receive their bachelor of arts degrees from such colleges. It is suggested that students, desiring to enter Duke University School of Law, make inquiry of the proper college authorities regarding this point.

A student in either of the liberal arts colleges of Duke University may complete in six years a combined course wherein he will have received his academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the faculty of the arts colleges:

Students who have completed with not less than a C average at least 96 semester-hours of undergraduate work in the pre-legal group of studies in Duke University may on the approval of the Dean of the Undergraduate College transfer to this Law School and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

ADMISSION TO ADVANCED STANDING

Any person, who had complied with the requirements for admission set forth on the preceding page prior to the commencement of his law study, who shall present evidence of the satisfactory completion of any part of the curriculum of the law school at any law school which is a member of the Association of American Law Schools, and who is eligible for readmission to the law school from which he proposes to transfer, may be admitted to advanced standing, subject to such rules as would be applicable to students in this school having a comparable scholastic record. Provisional credit for courses so completed shall be given, final credit for such work to be conditioned on the completion of at least one full year of law study in this school with an average of at least 60. Adjustment of credit for work done in other law schools shall be by vote of the faculty.

CANDIDATES FOR GRADUATE DEGREES

Applications for admission to graduate study should be addressed to the Dean of the Law School and should include transcripts of records of legal and pre-legal work. For the requirements for the graduate degrees see pages 23 and 24.

IV. REQUIREMENTS FOR BACHELOR OF LAWS DEGREE—STUDENT PROGRAMS

BACHELOR OF LAWS DEGREE

Upon favorable recommendation of the Faculty, the degree of Bachelor of Laws will be conferred on students who shall have successfully completed three years' study of law, the last full year of work immediately preceding the granting of such degree having, except under extraordinary circumstances, been completed in this School.

To be eligible for such degree, students must have successfully completed all required courses, except as hereinafter provided, and, in addition to the courses required in the first year program of study, at least forty-eight semester hours, or their equivalent, of law study, and have received an average grade of at least 60 in the second and third year work combined, or if such grade is lower than 60, have received an average grade of at least 60 in all work taken. Students who shall have spent only their third year of study in residence in this School must have received an average grade of at least 60 for that year.

A student may be excused from the completion of a required course by vote of the Faculty taken upon recommendation of the instructor in that course. If a student be excused from the completion of a required first year course, he must complete in substitution therefor at least an equal number of semester hours.

Students enrolled as special law students may be granted this degree on special vote of the Faculty.

THE FIRST YEAR PROGRAM

All of the first-year courses are required for graduation, and no second or third-year courses may be elected until the student has successfully completed or made provision for the completion of such first-year courses.

<i>Subject</i>	<i>Hours per semester</i>	
Contracts and Quasi-Contracts	4	3
Criminal Law and its Administration	3	3
Torts	3	3
Orientation and Introduction to Procedure	2	
Chattel Transactions		3
Possessory Estates		2
Legal Bibliography	(no credit)	
	12	14

SECOND AND THIRD YEAR PROGRAMS

The course in Research and Briefing is required of those second-year students who have not been selected to take the course in Current Decisions I. The courses in Legal Ethics and in Legal Aid Clinic are required of all third-year students. For descriptions of the content of courses, see pages 25-33.

With the exceptions noted above, all courses offered for the second and third years are elective. For the guidance of second-year students in 1934-35, the faculty recommends the inclusion of the following courses in their programs of study:

<i>Subject</i>	<i>Hours per semester</i>	
Bills and Notes	2	
Security Transactions (Bills and Notes Prerequisite)		4
Equity	2	2
Trusts	2	2
Business Associations I		3
Constitutional Law I	3	
Land Transactions	3	
Pleading (Prerequisite to Practice)	2	I
Research and Briefing	1	I
	15	13

Of the remaining courses open to second-year students, those listed below are suggested as most suitable for study in that year, but it should be distinctly understood that the courses in this list are not suggested as either more or less suitable for study in the third year than those not included herein. In the selection of courses in addition to, or in substitution for, those recommended above, the student should consult the course-groupings appearing at pages 25-33 of this Bulletin, so that he may choose those courses which will contribute most directly to

his work in the field of study to which he wishes to devote his major efforts in the third year. The student intending to enter the general practice of law is cautioned, however, not to sacrifice, through undue concentration, the acquisition of a broad foundation for his subsequent activities.

<i>Subject</i>	<i>Hours per semester</i>
Agency	2
Constitutional Law II	2
Criminal Procedure	2
Family Law	2
Future Interests	3
Landlord and Tenant	2
Legal Ethics	1
Municipal Corporations	2
Public Utilities	2
Wills and Administration of Estates	3

V. GRADUATE WORK IN LAW

GRADUATE DEGREES

The School of Law confers two graduate degrees, the degree of Master of Laws (LL.M.) and the degree of Doctor of Juridical Science (S.J.D.)

REQUIREMENTS FOR ADMISSION TO GRADUATE STUDY

Any person who shall have received the first degree in law from a law school qualified for membership in the Association of American Law Schools and whose college course and law course combined shall have occupied at least six years, may be admitted as a candidate for the degree of Master of Laws. In exceptional cases an applicant who does not meet all the above requirements may, on vote of the faculty, be admitted to candidacy for this degree where he is able to demonstrate that he is specially qualified, as by reason of practice or teaching.

Any person holding the degree of Master of Laws from this or any other law school which is qualified for membership in the Association of American Law Schools may be admitted as a candidate for the degree of Doctor of Juridical Science.

THE DEGREE OF MASTER OF LAWS

Upon favorable recommendation of the Faculty, the degree of Master of Laws will be conferred on students who have successfully completed during a period of residence at this school totalling at least one year the course of study prescribed for them by the Committee on Graduate Study.

THE COURSE OF STUDY. The course of study leading to this degree is designed to provide for the needs of two classes of students: (1) graduates of approved law schools who desire a fourth year of study for the purpose of undertaking an intensive study of some specialty, or who desire to broaden their legal education through the study of such subjects as jurisprudence, legal history, Roman law, and comparative law; (2) graduates of approved law schools who desire to teach law or

engage in legal research and who intend to become candidates for the degree of Doctor of Juridical Science.

One year of resident study is required for the degree of Master of Laws. There is no thesis required. The course of study is prescribed by the Committee on Graduate Study after consultation with the individual student. Opportunity will be afforded the student to include in his program such second and third year law courses, not already completed, as are desirable for the rounding out or supplementing of his previous training. In some cases courses in other departments of the University may be included. In the case of students whose interest lies in further preparation for practice, the course will normally include registration in subjects totalling twelve hours each semester. In the case of students interested primarily in legal research, a lighter schedule, so far as enrollment in formal courses is concerned, may be arranged. In cases where less than twelve hours' work is prescribed for either semester the Committee on Graduate Study may require that the student complete the work undertaken with a grade considerably higher than that required of candidates for the first degree in law.

THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

Upon favorable recommendation of the Faculty, the degree of Doctor of Juridical Science will be conferred on those holders of the degree of Master of Laws who, after an interval of at least one year following the awarding of the Master's degree, complete and submit an essay or series of essays considered by the faculty to be of distinguished character. Students who have received the degree of Master of Laws from another law school must thereafter spend at least one year in residence at this school and must complete a course of study or research prescribed by the Committee on Graduate study to be eligible for this degree.

VI. COURSES OFFERED

1. CROSS SECTION AND GENERAL COURSES

Orientation and Introduction to Procedure. The first four weeks will be devoted to an orientation in law and legal study. This will be followed by a study of the organization and development of the English and American court systems, the writ system, the common law actions; a brief sketch of modern procedural machinery; an analysis of the judge-jury relationship. Selected cases and materials. Four hours a week the first four weeks; two hours a week thereafter, first semester.

MR. DEAN

Torts. Liability in damages for physical injuries to person and property inflicted intentionally, negligently, or innocently; justification and excuse; contributory negligence; proximate cause. Liability for false representations, defamation, inducing breach of contract, interference with business relations, unfair competition, strikes, etc. Bohlen, *Cases on Torts* (3d ed.). Three hours a week throughout the year.

MR. MAGGS

Equity. Powers of Courts of Equity and principles governing their exercise, with special emphasis on injunctions. General scope of the remedy of specific performance; part performance and the Statute of Frauds; defences to specific performance, bills of peace, interpleader, *quia timet*, and to remove cloud on title. Cook, *Cases on Equity*, one volume edition. (2nd ed.). Two hours a week throughout the year.

MR. HORACK

Trusts. Trust distinguished from other relationships; methods of creating and capacity and intention to create a trust; the trust property and the parties to the trust; charitable trust; resulting and constructive trusts; relation between the trustee and the beneficiary; the administration of the trust; liability of the trustee to third persons; transfer of the beneficiary's interest; termination of a trust. Scott, *Cases on Trusts* (2d ed.). Two hours a week throughout the year.

MR. HORACK

Conflict of Laws. A study of the territorial jurisdiction of courts, the enforcement of foreign judgments, and the problems arising when the operative facts of a case are connected with jurisdictions having different rules of law. Lorenzen, *Cases on Conflict of Laws* (3d ed.). Three hours a week, second semester.

MR. CAVERS

Family Law. Cases are studied dealing with problems of the contract to marry, the breach of the contract, marriage, its requisites, and the elements which may render it invalid, separation, divorce, and international jurisdiction over the marriage relationship. McCurdy, *Cases on Domestic Relations*, supplemented by mimeographed material. Two hours a week, first semester.

MR. BRADWAY

Family Law Seminar. Specific legal problems in the field of family law are considered. In addition, the whole problem of family relations is studied from various standpoints. Students read and report on some of the modern material regarding marriage. Written reports are required from the students at the end of the year dealing with some aspect of the law in its effort to cope with the changing background of the family. The student is encouraged to develop an understanding of the problem of marriage sufficient to enable him to make contributions of a constructive nature during the course of his career as a member of the bar. Prerequisite: Family Law. Two hours a week, second semester.

MR. BRADWAY

North Carolina Statutes. A study of selected statutes of North Carolina with discussion of their application, and an analysis of the decisions of the Supreme Court of North Carolina construing them. Two hours a week, first semester.

MR. BRYSON

Legal Bibliography. A historical study of the development of law books with particular emphasis upon the more important sets and classes of volumes, together with actual practice in the use of the books themselves for the purpose of developing facility in legal research. No credit.

MR. ROALFE

Research and Briefing. Individual study of selected problems, involving the use of digests, encyclopedias, selected case reporter series, index to legal periodicals, etc.; the marshalling of authorities and preparation of trial and appellate court briefs. Required of all second-year students except those selected for Current Decisions I. Selected materials. One hour throughout the year, in two sections.

MR. W. FULLER

Current Decisions I. Each student follows the current decisions of particular courts. Cases selected as noteworthy are discussed in group meetings. After intensive research and consultation with faculty members, notes and comments on selected decisions are prepared. Open only to, and required (in lieu of Research and Briefing) of, superior second-year students selected by the faculty. One hour throughout the year.

MR. DEAN AND THE STAFF

Current Decisions II. This course is open only to superior third year students selected by the faculty. The student reads advanced sheets, participates in group discussions, prepares notes and comments as in Current Decisions I. In addition certain of the students act as editors of the notes and comments produced in the two courses. One hour throughout the year.

MR. DEAN AND THE STAFF

2. BUSINESS COURSES

Contracts and Quasi-Contracts. The course includes the usual subject-matter of a course in contracts: mutual assent, consideration, sealed contracts, assignment, contracts for the benefit of third persons, joint obligations, the Statute of Frauds, conditions, impossibility, illegal contracts, discharge of contracts. In addition, the equivalent of two hours

through a single semester is devoted to the legal and equitable remedies for fraud and mistake, and the law of quasi-contract. Corbin, *Cases on Contracts* (2d ed.) and mimeographed materials. Four hours a week, first semester; three hours a week, second semester.

MR. L. L. FULLER

Agency. Nature of agency: contractual relation between principal and third party, and agent and third party; tort liability of principal and agent; delegation of authority; ratification; termination of authority. Casebook to be announced. Two hours a week, first semester.

MR. HORACK

Business Associations I. A study of the legal and economic problems involved in the formation of business associations, with special emphasis in private corporation and partnership problems; the internal organization of such associations; the assembling of funds; the control and management of the going concern; the distribution of its profits or losses and the termination of the enterprise. Casebook to be announced. Three hours a week, second semester.

MR. W. FULLER

Business Associations II—Finance. An advanced study of long term assembly of funds and goods of business organizations; the types of securities and their provisions; the methods of acquisition of goods, funds, and other property and the marketing of securities. Prerequisite, Business Associations I. Douglas and Shanks, *Cases and Materials on Business Units—Finance*. Three hours a week, first semester.

MR. W. FULLER

Business Associations III—Corporate Reorganization.—A detailed consideration of selected activities of business associations with special reference to the reorganization of private corporations: Douglas and Shanks, *Cases and Materials on Corporate Reorganization* and selected materials. Three hours a week, second semester.

MR. W. FULLER

Bills and Notes. Negotiable and non-negotiable notes, bills of exchange, and checks; the legal effects of negotiability; the liabilities of primary and secondary parties; payment and discharge. Problems arising from the use of accommodation paper are not treated in this course but are taken up in Security Transactions. Consideration of the bank collection cases is postponed for the Credit Finance Seminar. Britton, *Cases on Bills and Notes* (2d ed.). Two hours a week, first semester.

MR. BRUTON

Chattel Transactions. Property in chattels, application of the concepts of possession and title in the law of personal property; transfer of chattels by bailment, gift and sale; contracts of sale; warranties; rights and remedies of the buyer and seller. Problems of sales financing are not considered in this course but are reserved for the course in Security Transactions. Casebook to be announced. Three hours a week, second semester.

MR. BRUTON

Security Transactions. Security in personal property, sales financing by means of chattel mortgages, conditional sales, pledges, trust receipts and letters of credit; contracts of suretyship and guaranty, use of accommodation paper; mortgages and other forms of security in land. Prerequisite: Bills and Notes. Since this course is designed to follow Bills and Notes and to precede Creditors' Rights it is strongly urged that it be taken in the second year. Hanna, *Cases on Security*. Four hours a week, second semester. MR. BRUTON

Creditors' Rights. The remedies by which creditors may satisfy their claims out of the property of the debtor. The first part of the course is devoted to seizure of the debtor's property by attachment, garnishment, execution and suits to set aside fraudulent conveyances. In the second part consideration is given to general liquidation of the debtor's estate by means of assignments and compositions, equity receiverships and bankruptcy. Limited to third year students. Casebook to be announced. Three hours a week, first semester. MR. BRUTON

Credit Finance Seminar. It is proposed in this seminar to consider, by means of individual study and discussion, a series of current legal problems arising in the administration of our credit system. Topic for 1934-1935: Problems in banking, a study of bank credit in the depression. Limited to graduate students and specially qualified third year students. Hours and credit to be arranged with the instructor. MR. BRUTON

Public Utilities. See Public Law Courses, page 31, for description. Two hours a week throughout the year. MR. CRAVEN

Seminar in Public Law—Regulation of Business and Business Practices. See Public Law Courses, page 31, for description. One hour a week, second semester. MR. MAGGS

3. PROPERTY COURSES

Possessory Estates. Historical introduction to real property with a detailed consideration of the modern law of possessory estates in land, including the fee simple, the fee tail, the life estate, the estate for years, concurrent estates, and the incidents of possessory ownership relative to water, lateral and subjacent support, and air. Powell, *Possessory Estates* (1933 ed.), and selected materials. Two hours a week, second semester. MR. BOLICH

Land Transactions. Delivery of deeds, with special reference to the title closing transaction; description in deeds; adverse possession and acquiescence; effect of recording acts; contractual protection against defects in title; methods of enlarging or restricting the rights and privileges of landowners. Casebook to be announced. Three hours a week, first semester. MR. CAVERS

Landlord and Tenant. Treatment of certain incidents of the modern law of leases relating to business, residential and agricultural properties, including the creation of leases, their general characteristics, possession, transfer, covenants, rents, security devices, and termination. Jacobs, *Cases and Materials on Landlord and Tenant* (1932 ed.). Two hours a week, second semester. MR. BOLICH

Future Interests. Future interests in real and personal property; reversions; vested and contingent remainders; executory interests; rights of entry; possibilities of reverter; gifts to classes; powers; perpetuities; interpretation of wills and deeds as affecting the validity and characteristics of the interests created thereby. Powell, *Cases on Future Interests*. Three hours a week, second semester. MR. BOLICH

Seminar in Real Property. Hours and credit to be arranged with the instructor upon approval of the committee on Graduate Study.

MR. BOLICH

Wills and Administration of Estates. Statutory schemes for the descent and distribution of intestate property; limitations upon liberty of testation; execution and revocation of wills; the will contest; appointment of personal representatives; their powers and duties in collection of assets, payment of debts, and distribution of decedents' estates; powers and duties of personal representatives and trustees in management of estates, including control of investments, allocation of receipts to principal or income; accounting and compensation. Mechem and Atkinson, *Cases on Wills and Administration*. Three hours a week. Second semester. MR. McDERMOTT

Trusts. General Courses, page 25, for description. Two hours a week throughout the year. MR. HORACK

4. PUBLIC LAW COURSES

Criminal Law and its Administration. Sources of criminal law; the nature of crime; criminal act and intent; parties to crime; specific offenses; police administration; the work of the prosecutor; the defense attorney; criminal court organization and administration; the grand and trial juries; the trial; probation; prison administration; pardon, parole and other phases of criminal law administration. Mikell, *Cases on Criminal Law* (2d ed.) and selected materials. Three hours a week throughout the year. MR. MILLER AND MR. DEAN

Criminal Procedure. See Procedure and Practice Courses, page 32, for description. Two hours a week, second semester. MR. BRYSON

Federal Jurisdiction and Procedure. See Procedure and Practice Courses, page 32, for description. Two hours a week, second semester.

MR. BRYSON

Constitutional Law I. Judicial protection of persons and property against "arbitrary" legislation: the history of the notion of a "higher law," the concepts applied and the constitutional clauses relied upon in invalidating "arbitrary" legislation; the development and qualification of particular doctrines and rules protecting individuals and corporations from "arbitrary" legislative interference with their persons, property, and business activities. McGovney, *Cases on Constitutional Law*, and mimeographed materials. Three hours a week, first semester.

MR. MAGGS

Constitutional Law II. The division of fields of control between the several States and between the Nation and the State. McGovney, *Cases on Constitutional Law*. Two hours a week, second semester.

MR. MAGGS

Administrative Law. The powers of such administrative tribunals as the public utility commissions, the Federal Trade Commission, and the workmen's compensation commissions, etc.; the procedure before such tribunals; the extent and manner of judicial review of their orders. Prerequisite: Constitutional Law. Frankfurter and Davison, *Cases on Administrative Law*, and selected materials. Two hours a week throughout the year.

MR. CRAVEN

Legislation. The interpretation of statutes; the subject-matter and purpose of the statute; the context; associated words; parts of the statute in relation to the whole; extrinsic aids; statutes in relation to other statutes; statutes in relation to the common law; the applying of statutes; the operation and effect of statutes. Prerequisite: Constitutional Law. DeSloovere, *Cases on Interpretation of Statutes*. Two hours a week, first semester.

MR. McDERMOTT

Legislation Seminar. Special study and research with respect to specific legislative problems and projects, involving a complete survey of the nature and mechanics of the legislative process. Prerequisite: Legislation. Selected materials. Two hours a week, second semester.

MR. McDERMOTT

Municipal Corporations. The nature of municipal corporations; their external constitution; their internal constitution; their powers; their liabilities; remedies for and against municipal corporations. Beale, *Cases on Municipal Corporations*. Two hours a week, first semester.

MR. McDERMOTT

Municipal Corporations Seminar. Special study and research with respect to certain legal problems arising in connection with local governmental units, including the organization of cities, districts and counties, their legal functions, their bond issues and liabilities thereon, and modes of enforcing remedies. Prerequisite: Municipal Corporations. Selected materials. Two hours a week, second semester.

MR. McDERMOTT

Public Utilities. A consideration of the whole law of public service as applied to public utilities generally. Especial attention is given to the problems of valuation and rates, and to the regulation of public utilities by administrative commissions. Smith and Dowling, *Cases on Public Utilities*, and selected materials. Two hours a week throughout the year.

MR. CRAVEN

Taxation. This course deals with various kinds of taxes including federal income and inheritance taxes, the power to tax, and the remedies for illegal taxation. Magill and Maguire, *Cases on Taxation*, and selected materials. Two hours a week throughout the year.

MR. CRAVEN

Seminar in Public Law—Regulation of Business and Business Practices. A survey of the policies and legal rules relating to combination of and co-operation between business enterprises and to unfair methods of competition, followed by intensive consideration of particular problems in the field. Selected materials. One hour a week, second semester.

MR. MAGGS

5. JURISPRUDENCE COURSES

Jurisprudence and Legal Method. The course has two purposes: (1) to examine critically the methods currently employed by judges and legal scholars in the solution of legal problems, (2) to suggest improvements in those methods. A study will be made of the general suppositions underlying the traditional legal method, including theories of the nature of law and of its ends. In addition, a detailed study will be undertaken of certain intellectual devices which have become accepted adjuncts of the traditional technique: presumptions, fictions, the separation of questions into those of "law" and those of "fact," legal concepts such as "title," "right," and "duty," and supposed factual concepts such as "intent." Especial emphasis will be placed on modern studies in the methodology of science. Intended primarily for graduate students. Admission only with the consent of the instructor. Three hours a week, second semester.

MR. L. L. FULLER

Legal History. A study of the development of fundamental English and American legal institutions, followed by a historical consideration in detail of certain doctrines of the common law. Goebel, *Cases and Materials on the Development of Legal Institutions*, and selected materials. Three hours a week, first semester.

MR. BOLICH

Seminar in Legal History. Consideration of selected problems in American legal history. The course in Legal History is a prerequisite, in the absence of special permission obtained from the instructor. Two hours a week, second semester.

MR. BOLICH

(Not to be offered 1934-1935.)

Roman Law. Historical survey of the development of the main institutions of Roman private law, followed by a more detailed study of the Roman law of obligations, and its pertinence to Anglo-American law. Selected texts and materials in translation. Two hours a week, first semester.

MR. L. L. FULLER

6. PROCEDURE AND PRACTICE COURSES

Orientation and Introduction to Procedure. See General Courses, page 25, for description. Four hours a week the first four weeks; two hours a week thereafter, first semester. MR. DEAN

Criminal Procedure. A survey of the principles of criminal procedure as applied in the American courts. The leading proposals in the current reform movement are considered. Keedy, *Cases on Administration of the Criminal Law*. Two hours a week, second semester. MR. BRYSON

Federal Jurisdiction and Procedure. The distribution of judicial power between state and nation, with a detailed study of the jurisdiction and work of the Supreme Court of the United States and the several inferior federal courts, and the practice and procedure in those courts. Casebook to be announced. Two hours a week, second semester. MR. BRYSON

Legal Ethics. A consideration of adjudicated cases, the Canons of Ethics of the American Bar Association, together with decisions by committees of lawyers of different bar associations throughout the United States, and the observation of moralists. Selected materials. One hour a week, first semester. MR. BRYSON

Legal Aid Clinic. Students under supervision of qualified attorneys and in coöperation with the members of the Durham Bar, the court officials, and social agencies in the community, engage, so far as students may, in the actual handling of cases from the first moment of interviewing the client until the case is disposed of by litigation or otherwise. There are class discussions, term papers, and written reports on certain aspects of the work. Students must demonstrate dependability in action and adaptability to office routine. Two hours throughout the year. Two sections. MR. BRADWAY

Pleading. Remedial law as applied in code jurisdictions. The form, theory, and classification of civil actions and special proceedings, together with a complete analysis of the several pleadings available in such actions and special proceedings. Throckmorton, *Cases on Code Pleading*. Two hours a week, first semester; one hour a week, second semester. MR. BRYSON

Evidence. Circumstantial, testimonial, and real evidence; rules as to number and kinds of witnesses; authentication and production of documents; the hearsay rules; rules of exclusion; parol evidence rules; burdens of proof; judicial notice; reformed rules. Hinton, *Cases on Evidence*. Two hours a week throughout the year. MR. SPEARS

Practice. The practical work of lawyers; drafting instruments; preparation of pleadings and trial briefs; the various trial methods and steps taken in the trial of the case; removal of cases from State to Federal courts; noting and perfecting appeals; the appeal briefs; procedure in the Supreme Court. Selected materials. Two hours a week throughout the year. MR. BRYSON

Student Editorial Work. Selected students, members of the class in Current Decisions, may undertake the preparation of studies for publication in "Law and Contemporary Problems" under the supervision of the editor. Credit for this work will be given in Current Decisions.

MR. CAVERS

Bar Association Activities. Organization and Purposes of Bar Associations; consideration of problems looking toward the improvement of the legal profession: advisory work in connection with voluntary student participation in the activities of the Duke Bar Association. Not for credit.

MR. HORACK

VII. GENERAL INFORMATION

MATRICULATION, REGISTRATION, AND ENROLLMENT

On the day of registration, September 18, 1934, the applicant must obtain from the Dean of the Law School an admission card, indicating that he is entitled to register. Registration is conducted in the law building. All students, both old and new, are required to register at the beginning of each semester, at which time class schedule and course cards must be filled out and approved.

FEES AND EXPENSES

Tuition and registration fees are due at the beginning of each semester. The matriculation fee is twenty-five dollars a semester. The tuition fee is one hundred dollars a semester. A damage fee of one dollar is collected at the beginning of the first semester only, an athletic fee of five dollars at the beginning of each semester, a library fee of five dollars each semester, and a medical fee of two dollars each semester. Payment of the medical fee entitles a student to infirmary treatment and to student rates for special treatment other than in the infirmary. Payment of the athletic fee entitles the student to admittance to all athletic events on the campus. The graduation fee, payable by all students to whom a degree is awarded, is ten dollars. Board may be secured at approximately \$25.00 per month at the Union. Furnished rooms may be secured in the dormitories of the University, at \$62.50 per semester; a very limited number of rooms are available at \$30.00 and \$50.00 per semester. These charges include light, heat, water, and janitor service. The cost of law books will average, through the three years, between \$20.00 and \$30.00 per semester.

SCHOLARSHIPS

A limited number of scholarships covering tuition and matriculation fees (approximately \$250.00) are available for graduates of approved American universities and colleges who are in need of such assistance. Applicants must have made excel-

lent records in their college work and must show unusual promise of success in the study of law.

These scholarships are awarded on a competitive basis. Applications therefor should be presented before the first of May to the Dean of the Law School, together with a transcript of college work and letters of recommendation from responsible school or other public officials, certifying to the character and fitness of the applicant.

Scholarships are, in addition, granted each year to the three students with the best scholastic records in the first and second year classes. Under this plan scholarships were awarded for 1933-34 to the following members of the first year class of 1932-33: Eugene Z. DuBose, James Mullen, Erle Pettus, and to the following members of the second year class in that year: Paul H. Sanders, Robert G. Seaks, Albert H. Cotton.

AWARDS

Willis Smith Prize. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of law school work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose. The winner of the prize for 1931-32 was Jeter S. Ray of Newport, Tenn., for 1932-33, William B. McGuire, Jr., of Franklin, N. C.

ORDER OF THE COIF

A chapter of this national scholarship society has been established at Duke University School of Law. Its purpose is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Election is restricted to the ten per cent of the senior class who have attained the highest rank in their law school work. Those receiving this honor in the graduating class of 1933 were Coming B. Gibbs of Charleston, S. C.; D. Bruce Mansfield of Canton, Ohio; and William B. McGuire, Jr., of Franklin, N. C.

CONDUCT OF STUDENTS

The University expects of its students loyal and hearty coöperation in developing and maintaining high standards of conduct as well as of scholarship. The University therefore reserves the right, and matriculation by the student is a concession of this right, to ask the withdrawal of any student whose conduct at any time is not satisfactory to the University, even though no specific charge be made against the student.

RECREATIONAL FACILITIES

Students of the Law School are entitled to the use of the University gymnasium, tennis courts, swimming pool and similar privileges without cost. The University is located several miles from the business district of Durham on wooded hills constituting part of the five thousand acre Duke Forest which is maintained by the University Department of Forestry. Within a short distance from the campus are facilities for golf, horseback riding, and woodland hiking. These activities are available the year round in the mild climate of the Piedmont section of North Carolina. In addition to concert programs, recitals, and lectures, motion pictures are shown in the campus auditorium twice a week.

Further information will be sent upon request to

THE DEAN OF THE LAW SCHOOL
DUKE UNIVERSITY
Durham, North Carolina

VIII. STUDENTS

ENROLLMENT FOR 1933-1934

FIRST YEAR CLASS

Alley, Robert Cline B.A., Duke University, 1933.	Waynesville, N. C.
Bomar, Horace Leland, Jr. B.A., Furman University, 1933.	Spartanburg, S. C.
Bray, Jerry Garrett, Jr. Duke University, 1929-1933.	South Norfolk, Va.
Clouser, H. Gordon B.A., University of New Mexico, 1933.	Gibraltar, Pa.
Cook, Franklin Henry B.A., Bucknell University, 1933.	Vicksburg, Pa.
Cook, Robert Nevin B.A., Bucknell University, 1933.	Vicksburg, Pa.
Cutter, Walter Airey A.B., Central College, 1928; M.A., Duke University, 1930; B.D., Duke University, 1931; Ph.D., Duke University, 1933.	Baltimore, Md.
Davis, S. Ben, Jr. B.A., Wake Forest College, 1933.	Roxboro, N. C.
Dillard, Alexander Fleet A.B., Hampden-Sydney College, 1933.	Centre Cross, Va.
Gibson, Fillmore Sloan B.A., Duke University, 1933.	Walnut Ridge, Ark.
Goldstein, Harry A.B., Brown University, 1933.	Providence, R. I.
Green, Martin Klapp B.A., Duke University, 1932.	Raleigh, N. C.
Henderson, James MacDougall B.A., Trinity College, 1933.	New York, N. Y.
Hiller, Russell Leon B.S. in Bus. Adm., Albright College, 1931; Graduate School, University of Pennsylvania, 1931-1932.	Bernharts, Pa.
Hunoval, Joseph Andreas B.S. in Bus. Adm., Lehigh University, 1931.	Irvington, N. J.
Jaffe, David B.A., Duke University, 1933.	Durham, N. C.
Jordan, Welch Oliver A.B., Emory University, 1933.	Atlanta, Ga.
Knott, Lawson Beasley, Jr. B.A., Duke University, 1933.	Wendell, N. C.
Loeb, Edna B.A., Mississippi State College for Women, 1933.	Columbus, Miss.
Lundgren, Carl Raymond B.A., Duke University, 1933.	New Haven, Conn.
McKeithen, Leland B.A., Davidson College, 1933.	Aberdeen, N. C.

Maxwell, Mary Louise Wesleyan College, 1930-1932; Duke University, 1932-1933.	Beckley, W. Va.
Miller, Garnet Edward Carson-Newman College, 1930-1933.	Erwin, Tenn.
Miller, Murray Augustine Duke University, 1930-1933.	Portsmouth, Va.
Moore, Alvin O'Brien Vanderbilt University, 1930-1932; Duke University, 1932-1933.	Murfreesboro, Tenn.
Murphy, W. D., Jr. A.B., University of Arkansas, 1933.	Batesville, Ark.
Myers, John Albert B.A., Duke University, 1933.	Oxford, N. C.
Peterson, Ivar Herbert B.A., State College of Washington, 1933.	Kettle Falls, Wash.
Rice, Leon Leftwich B.A., Furman University, 1933.	Anderson, S. C.
Robison, William, Jr. B.A., Wabash College, 1933.	Frankfort, Ind.
Rubin, Edward A.B., University of California at Los Angeles, 1933.	Los Angeles, Calif.
Salley, George Henry A.B., Rollins College, 1932.	South Berwick, Maine
Scolnik, Samuel B.A., Bates College, 1933.	Lewiston, Maine
Seymour, Woodrow Wilson B.A., Davidson College, 1933.	Sanford, N. C.
Taft, Edmond Hoover, Jr. Duke University, 1929-1931, 1932-1933.	Greenville, N. C.
Tate, William Howard Duke University, 1930-1933.	South Bend, Ind.
Todd, Edward B.A., Duke University, 1933.	Spencer, N. C.
Troxler, Therman Joseph B.A., Duke University, 1933.	Elon College, N. C.
Van Antwerp, Richard Eggerton Duke University, 1930-1933.	Williamsport, Pa.
Weatherspoon, Everett B. B.A., Duke University, 1930.	Durham, N. C.
Whitcomb, Kathryn Abbie A.B., Wheaton College, 1933.	South Walpole, Mass.

SECOND YEAR CLASS

Adelson, Morris William A.B., Washington and Lee University, 1932.	Covington, Va.
Bergeson, Rollo H. B.A., University of South Dakota, 1932.	Sioux City, Ia.
Booth, Roy Murphy B.A., Duke University, 1932.	Pollocksville, N. C.
Boyd, Henry Armistead A.B., University of North Carolina, 1933; University of North Carolina Law School, 1932-1933.	Warrenton, N. C.

- Colton, John Milton, 2nd.
B.A., Lafayette College, 1932.
- DuBose, Eugene Zemp
B.A., Davidson College, 1932.
- Farthing, William Patrick
B.A., Duke University, 1932.
- Fletcher, Frank Utley
North Carolina State College, 1927-1929;
LL.B., Wake Forest College, 1932.
- Funk, William Marshall
A.B., Vanderbilt University, 1932; Vanderbilt
University Law School, 1932-1933.
- Grimm, Karl Joseph, Jr.
A.B., Gettysburg College, 1931.
- Harmon, John Calvin, Jr.
Duke University, 1926-1927, 1928-1930; Wofford College, 1928.
- Kennon, Albert Wilson, Jr.
B.A., Lafayette College, 1932.
- Lupton, Elizabeth Taylor
A.B., Pennsylvania College for Women, 1932.
- Miller, James Marshall
A.B., Dakota Wesleyan University, 1932.
- Moore, Edward Lawson
Duke University, 1930-1933.
- Mullen, James
B.A., Duke University, 1932.
- Murchison, Duncan Cameron
A.B., Western Maryland College, 1932.
- Neblett, John
Riverside Junior College, 1929-1931; University of California, 1931-1932.
- Orem, Nicholas, Jr.
B.A., Duke University, 1932.
- Peteet, Porter Weaver
B.A., University of Mississippi, 1931.
- Pettus, Erle, Jr.
B.A., Princeton University, 1932.
- Powell, Roy Alexander
A.B., Wofford College, 1930.
- Sanders, Julius Taft
B.A., Duke University, 1932.
- Sidor, Walter John
B.S., Trinity College, 1932.
- Smith, Emma Lee
B.A., Duke University, 1928.
- Smith, Ora Lee
B.A., Duke University, 1932.
- Upchurch, Walter McGowan, Jr.
B.A., Duke University, 1931.
- Walker, Francis Edgar
B.A., Bucknell University, 1932.
- Washington, D. C.
- Camden, S. C.
- Durham, N. C.
- Raleigh, N. C.
- Bowling Green, Ky.
- Gettysburg, Pa.
- Stumpy Point, N. C.
- St. Clairsville, Ohio
- Pittsburgh, Pa.
- Mitchell, S. Dak.
- Durham, N. C.
- Dothan, Ala.
- Alexandria, Va.
- Riverside, Calif.
- Hyattsville, Md.
- Greenwood, Miss.
- Birmingham, Ala.
- Spartanburg, S. C.
- Chester, S. C.
- Hartford, Conn.
- Durham, N. C.
- Albemarle, N. C.
- Durham, N. C.
- Lewisburg, Pa.

THIRD YEAR CLASS

Armfield, Joseph Henry, Jr. B.A., Duke University, 1931.	Greensboro, N. C.
Book, Abraham Benjamin B.A., Duke University, 1930.	Asheville, N. C.
Bowie, Thomas Contee, Jr. A.B., University of North Carolina, 1931; Yale University School of Law, 1931-1932.	West Jefferson, N. C.
Bryson, Edward Constant University of North Carolina, 1922-1925.	Durham, N. C.
Cleveland, Green Harp B.A., Furman University, 1932.	Greenville, S. C.
Cotton, Albert Henry B.A., Duke University, 1930.	Durham, N. C.
Dewicki, John Anthony B.A., Union University, 1930; University of Michigan Law School, 1930-1931; Catholic University of America Law School, 1931-1932.	Schenectady, N. Y.
Finley, Robert Corpening B.A., Duke University, 1930.	Asheville, N. C.
Haworth, Byron Allen A.B., Guilford College, 1928.	Salisbury, N. C.
Heefner, Edward Siever, Jr. B.A., Davidson College, 1930.	Winston-Salem, N. C.
Mason, William Alexander B.S., Davidson College, 1931.	Belmont, N. C.
Maxwell, Robert Wallace A.B., Westminster College, 1930.	New Wilmington, Pa.
Miller, Charles Henderson, Jr. B.A., Duke University, 1928.	Durham, N. C.
Murphy, Charles Springs B.A., Duke University, 1931.	Durham, N. C.
Perrow, Mosby Garland, Jr. A.B., Washington and Lee University, 1930.	Lynchburg, Va.
Price, William Archer A.B., University of Alabama, 1931; University of Alabama Law School, 1931-1932.	Birmingham, Ala.
Sanders, Paul Hampton A.B., Austin College, 1931.	Sherman, Texas
Seaks, Robert Gilpin A.B., Gettysburg College, 1931.	Harrisburg, Pa.
Seigler, Harold Courtenay B.A., Furman University, 1932; Furman University Law School, 1931-1932.	Batesburg, S. C.
Vinson, Edward Robertson A.B., Emory University, 1931.	Macon, Ga.
Whitson, Joseph McDowell A.B., Birmingham-Southern College, 1931.	Birmingham, Ala.
Wilson, Samuel Allen A.B., Presbyterian College, 1928.	Abbeville, S. C.

GRADUATE STUDENT

Everett, Henry L. LL.B., Boston University, 1923; LL.M., Duke University, 1933.	Weaverville, N. C.
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INSTITUTIONS REPRESENTED

Albright College	Riverside Junior College
Austin College	Rollins College
Bates College	State College of Washington
Birmingham-Southern College	Trinity College (Hartford, Conn.)
Boston University	Union University
Brown University	University of Alabama
Bucknell University	University of Arkansas
Carson-Newman College	University of California at Los Angeles
Catholic University of America	University of Michigan
Central College	University of Mississippi
Dakota Wesleyan University	University of New Mexico
Davidson College	University of North Carolina
Duke University	University of Pennsylvania
Emory University	University of South Dakota
Furman University	Vanderbilt University
Gettysburg College	Wabash College
Guilford College	Wake Forest College
Hampden-Sydney College	Washington and Lee University
Lafayette College	Wesleyan College
Lehigh University	Western Maryland College
Mississippi State College for Women	Westminster College
North Carolina State College	Wheaton College
Pennsylvania College for Women	Wofford College
Presbyterian College	Yale University
Princeton University	Total, 49.

STATES REPRESENTED

Alabama, Arkansas, California, Connecticut, District of Columbia, Georgia, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Mississippi, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Virginia, Washington, West Virginia. Total 27.

GENERAL SUMMARY

First Year Class	41
Second Year Class	28
Third Year Class	22
Graduate Students	1
	—
Total Enrollment	92
Total Number of Institutions Represented	49
Total Number of States Represented	27

DEGREES AWARDED IN JUNE, 1933

BACHELOR OF LAWS

- | | |
|--|--|
| Bost, Eugene Thompson, Jr.
Graduate, The Collegiate
Institute, 1930. | Knight, Alton Jerome
A.B., Duke University, 1926. |
| Carson, Crawford Henson
B.A., Hampden-Sydney College,
1930. | Lassiter, William Carroll
A.B., Duke University, 1930. |
| Coie, John Paul
B.A., Washington State College,
1930. | Mansfield, Donald Bruce
A.B., Kenyon College, 1930. |
| Gibbs, Coming Ball
A.B., College of Charleston, 1930. | McGuire, William B., Jr.
A.B., Davidson College, 1930. |
| Hanes, John Chisman
A.B., Duke University, 1930;
Harvard Law School, 1930-1931. | Perkins, Raymond Keller
A.B., Duke University, 1930. |
| Herring, Norman
B.S., University of Arizona, 1930;
University of Arizona Law School,
1930-1931. | Reynolds, Rufus Wiley
A.B., Duke University, 1930. |
| Howland, William Franklin, Jr.
A.B., Duke University, 1930. | Seligson, Stanley Lawrence
B.S., University of North Carolina,
1929. |
| Klein, Sylvan
St. John's College, 1928-1930. | Shull, James Malcolm
A.B., Carson-Newman College, 1930. |
| | Thornton, Spruill
A.B., Duke University, 1929. |
| | Winstead, Sam Garland
A.B., University of North Carolina,
1930. |

MASTER OF LAWS

- Everett, Henry L.
LL.B., Boston University Law School, 1923.
- Stubbs, Allston Julius
A.B., University of North Carolina, 1930.
LL.B., University of North Carolina, 1932.

DOCTOR OF JURIDICAL SCIENCE

- McCormick, James Byron
LL.B., Illinois Wesleyan University, 1915.
LL.M., University of Southern California, 1930.







BULLETIN
OF
DUKE UNIVERSITY

Vol. 6

JUNE, 1934

No. 6

CATALOGUE NUMBER



1933-1934
ANNOUNCEMENTS FOR 1934-1935

PUBLISHED BY DUKE UNIVERSITY
IN JANUARY, FEBRUARY, MARCH, APRIL, MAY, AND JUNE
ENTERED AS SECOND CLASS MATTER MARCH 25, 1929, AT THE POST OFFICE
AT DURHAM, N. C., UNDER ACT OF AUGUST 24, 1912

ANNUAL CATALOGUES AND BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

For BULLETIN OF THE DEPARTMENTS OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF LAW, apply to *The Dean of the School of Law*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF MEDICINE, apply to *The Dean of the School of Medicine*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF NURSING, apply to *The Dean of the School of Nursing*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF RELIGION, apply to *The Registrar of the School of Religion*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SCHOOLS, apply to *The Director of the Summer Schools*, Duke University, Durham, N. C.

BULLETIN
OF
DUKE UNIVERSITY



CATALOGUE NUMBER

1933-1934

ANNOUNCEMENTS FOR 1934-1935

DURHAM, NORTH CAROLINA

1934

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UNIVERSITY CALENDAR

1934

- June 7. Thursday—Registration of students for Summer School, first term.
- June 8. Friday—Instruction begins for Summer School, first term.
- June 29. Friday—Instruction begins for Summer School, middle term.
- July 4. Wednesday—Independence Day—A holiday.
- July 18-19. Wednesday-Thursday—Final examinations for Summer School, first term.
- July 20. Friday—Registration of students for Summer School, second term.
- July 21. Saturday—Instruction begins for Summer School, third term.
- Aug. 30-31. Thursday-Friday—Final examinations for Summer School, third term.
- Sept. 13. Thursday, 9 A.M.—Dormitories open to freshmen.
- Sept. 13. Thursday, 8 P.M.—Assembly for all entering freshmen.
Freshman orientation program begins.
- Sept. 15. Saturday, 4 P.M.—First regular faculty meeting of the academic year.
- Sept. 17. Monday, 5 P.M.—First regular meeting of the Freshman Faculty.
- Sept. 18. Tuesday—Freshman instruction begins.
- Sept. 18. Tuesday—Registration and matriculation of new students with advanced standing.
- Sept. 19. Wednesday, 11 A.M.—Formal opening of college.
Registration of matriculated students.
- Sept. 20. Thursday—Instruction for sophomores, juniors, and seniors begins.
- Sept. 20. Thursday, 9 A.M. to 1 P.M., 2:30 P.M. to 4 P.M., Friday, 9 A.M. to 1 P.M., 2:30 P.M. to 5 P.M., Saturday, 9 A.M. to 1 P.M.—Registration of graduate students.
- Nov. 11. Sunday—Armistice Day.
- Nov. 29. Thursday—Thanksgiving Day—A holiday.
- Dec. 11. Tuesday—Duke University Day—Not a holiday.
- Dec. 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

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| Jan. | 3. | Thursday, 8:20 A.M.—Instruction is resumed. |
| Jan. | 19. | Saturday—Mid-year examinations begin. |
| Jan. | 30. | Wednesday—Last day for matriculation for second semester. |
| Jan. | 31. | Thursday—Second semester begins. |
| Feb. | 22. | Friday—A holiday. |
| March | 27. | Wednesday, 1 P.M.—Spring vacation begins. |
| April | 3. | Wednesday, 8:20 A.M.—Instruction is resumed. |
| April | 15. | Monday—Last day for submitting orations for Wiley Gray Contest. |
| April | 30. | Tuesday—Last day for selection of courses for ensuing year. |
| May | 22. | Wednesday—Final examinations begin. |
| June | 2. | Sunday—President's address to graduating class. |
| June | 3. | Monday—Annual meeting of the Board of Trustees. |
| June | 3. | Monday—Annual meeting of the Alumni and Alumnae Councils. |
| June | 3. | Monday evening—Organ Recital. |
| June | 4. | Tuesday morning—Commencement sermon. |
| June | 4. | Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business meeting of the Alumnae Association. |
| June | 4. | Tuesday evening—Reception in honor of the graduating class. |
| June | 5. | Wednesday morning—Commencement address. |
| June | 5. | Wednesday afternoon—Graduating exercises. |
| June | 5. | Wednesday afternoon at sunset—Lowering of the Flag by the graduating class. |



BOARD OF TRUSTEES

OFFICERS

J. F. BRUTON, Chairman.....	Wilson,	N. C.
T. F. MARR, Vice-Chairman.....	Brevard,	N. C.
R. L. FLOWERS, Recording Secretary.....	Durham,	N. C.

EXECUTIVE COMMITTEE

J. F. BRUTON, <i>ex-officio</i>	Wilson,	N. C.
W. P. FEW, <i>ex-officio</i>	Durham,	N. C.
G. G. ALLEN.....	New York,	N. Y.
W. N. REYNOLDS.....	Winston-Salem,	N. C.
J. H. SEPARK.....	Gastonia,	N. C.
M. E. NEWSOM.....	Durham,	N. C.
J. C. WOOTEN.....	Fayetteville,	N. C.

MEMBERS OF THE BOARD

Term Expires December 31, 1935

J. L. HORNE, JR.....	Rocky Mount,	N. C.
P. H. HANES.....	Winston-Salem,	N. C.
J. F. BRUTON.....	Wilson,	N. C.
J. A. LONG.....	Roxboro,	N. C.
T. F. MARR.....	Brevard,	N. C.
S. B. TURRENTINE.....	Greensboro,	N. C.
D. S. ELIAS.....	Asheville,	N. C.
EARLE W. WEBB.....	New York,	N. Y.

FROM THE ALUMNI

J. H. SEPARK, '95.....	Gastonia,	N. C.
W. N. REYNOLDS, '86.....	Winston-Salem,	N. C.
S. S. ALDERMAN, '13.....	Washington,	D. C.
WILLIS SMITH, '10.....	Raleigh,	N. C.

Term Expires December 31, 1937

R. L. FLOWERS.....	Durham,	N. C.
J. C. WOOTEN.....	Fayetteville,	N. C.
J. R. SMITH.....	Mount Airy,	N. C.
JAMES A. BELL.....	Charlotte,	N. C.
J. H. BARNHARDT.....	Wilmington,	N. C.
R. G. CHERRY.....	Gastonia,	N. C.
G. G. ALLEN.....	New York,	N. Y.
THOMAS M. GRANT.....	New Bern,	N. C.

FROM THE ALUMNI

C. F. LAMBETH, '03.....	Thomasville,	N. C.
J. B. HURLEY, '83.....	Lexington,	N. C.
J. F. KIRK, '95.....	Greensboro,	N. C.
W. W. FLOWERS, '94.....	New York,	N. Y.

Term Expires December 31, 1939

D. C. ROPER.....	Washington,	D. C.
B. S. WOMBLE.....	Winston-Salem,	N. C.
W. R. ODELL.....	Concord,	N. C.
H. A. PAGE.....	Aberdeen,	N. C.
M. E. NEWSOM.....	Durham,	N. C.
F. M. WEAVER.....	Asheville,	N. C.
W. W. PEELE.....	Charlotte,	N. C.
W. R. PERKINS.....	New York,	N. Y.

FROM THE ALUMNI

H. R. DWIRE, '02.....	Durham,	N. C.
W. A. STANBURY, '08.....	Greensboro,	N. C.
R. A. MAYER, '96.....	Charlotte,	N. C.
F. M. SIMMONS, '73.....	New Bern,	N. C.

TRUSTEES OF DUKE ENDOWMENT

OFFICERS

G. G. ALLEN, Chairman.....	New York,	N. Y.
W. R. PERKINS, Vice-Chairman.....	New York,	N. Y.
*W. S. LEE, Vice-Chairman.....	Charlotte,	N. C.
A. H. SANDS, JR., Secretary.....	New York,	N. Y.
W. C. PARKER, Treasurer.....	New York,	N. Y.
N. A. COCKE, Assistant Secretary.....	Charlotte,	N. C.

MEMBERS OF THE BOARD

MRS. J. B. DUKE.....	New York,	N. Y.
G. G. ALLEN.....	New York,	N. Y.
W. R. PERKINS.....	New York,	N. Y.
*W. S. LEE.....	Charlotte,	N. C.
E. C. MARSHALL.....	Charlotte,	N. C.
N. A. COCKE.....	Charlotte,	N. C.
C. I. BURKHOLDER.....	Charlotte,	N. C.
B. E. GEER.....	Greenville,	S. C.
A. H. SANDS, JR.....	New York,	N. Y.
W. C. PARKER.....	New York,	N. Y.
W. B. BELL.....	New York,	N. Y.

* Deceased.

W. S. RANKIN.....	Charlotte,	N. C.
R. L. FLOWERS.....	Durham,	N. C.
W. S. O'B. ROBINSON, JR.....	Charlotte.	N. C.
W. N. REYNOLDS.....	Winston-Salem,	N. C.
MISS DORIS DUKE.....	New York,	N. Y.

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School of Religion: PEELE, GRANT, KIRK, HURLEY, MARR.

Colleges and Graduate School of Arts and Sciences: ROPER, TURRENTINE, BARNHARDT, WEBB.

Law School: SMITH, WOMBLE, BELL, PERKINS.

Libraries: STANBURY, HANES, LAMBETH, WEAVER.

Business Administration of the University: ODELL, REYNOLDS, LONG, ELIAS.

Forestry: DWIRE, W. W. FLOWERS, NEWSOM.

OFFICERS OF ADMINISTRATION

GENERAL ADMINISTRATION

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FLOWERS, ROBERT LEE, A.M., LL.D. <i>Vice-president in the Business Division, Secretary, and Treasurer</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-president in the Educational Division and Dean of the University</i>	West Campus
BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
LEE, ARTHUR CARL, B.S., C.E. <i>Chief Engineer</i>	

BUSINESS ADMINISTRATION

FLOWERS, ROBERT LEE, A.M., LL.D. <i>Secretary and Treasurer</i>	West Campus
MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Assistant Treasurer</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Assistant Secretary</i>	Powe Apartments, Watts Street
DOOLEY, NELL, R.N. <i>Dietitian, the Union</i>	West Campus
HUNT, SAMUEL ROBERT <i>Superintendent of Buildings and Grounds</i>	817 Fourth Street
MARTIN, LILLY SLADE, MRS. <i>Supervisor of Dormitories</i>	819 Fourth Street
RICKS, RUTH HARRIS, MRS. <i>Dietitian, Southgate Hall</i>	East Campus
ROBERSON, HELEN, MRS. <i>Dietitian, the Union</i>	East Campus
SAWYER, OTIS, A.B. <i>Purchasing Agent, Duke University</i>	Club Boulevard
THOMPSON, JAMES EDWARD <i>Manager, the Duke University Dining Halls</i>	Powe Apartments, Buchanan Road

TYREE, WILLIAM ALLEN, A.B. <i>Director in the Business Division</i>	610 Buchanan Road
WHITFORD, WILLIAM EDWARD, A.B. <i>Assistant Director in the Business Division</i>	West Campus
WHITTED, WALTER LEWIS <i>Bookkeeper</i>	1204 College Road

PUBLIC RELATIONS AND ALUMNI AFFAIRS

DWIRE, HENRY RUDOLPH, A.B., A.M. <i>Director of Public Relations and Alumni Affairs</i>	The Union, West Campus
ALDRIDGE, ELIZABETH, A.B. <i>Assistant Alumni Secretary</i>	East Campus
DUKES, CHARLES AUPRY, A.B. <i>Assistant to Director of Public Relations</i>	1109 8th Street
RIPPY, J. FRED, A.B., A.M., Ph.D. <i>Editor, the Duke University Press</i>	Forest Hills
SEEMAN, ERNEST <i>Manager, the Duke University Press</i>	111 West Seeman Street
WILKINSON, ALBERT ALEXANDER <i>Director, the News Service</i>	1113 Alabama Avenue

EDUCATIONAL ADMINISTRATION

WANNAMAHER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Dean of Trinity College</i>	West Campus
BALDWIN, ALICE MARY, A.B., A.M., Ph.D. <i>Dean of the Woman's College</i>	East Campus
GREENE, WALTER KIRKLAND, A.B., A.M., Ph.D. <i>Dean of Undergraduate Instruction</i>	West Campus
HERRING, HERBERT JAMES, A.B., A.M. <i>Assistant Dean of Trinity College</i>	Erwin Apartments, Buchanan Road
*ARNOLD, DEAN MOXLEY, B.S., A.M. <i>Assistant Dean of Trinity College</i>	West Campus
MANCHESTER, ALAN KREBS, A.B., A.M., Ph.D. <i>Assistant Dean of Trinity College</i>	West Campus
SMITH, RUTH SLACK, MRS., A.B., A.M. <i>Assistant Dean of the Woman's College</i>	Faculty Apartments, East Campus

* Deceased.

PICKETT, MRS. SYCHO, A.B.	3 Powe Apartments
COLEMAN, MISS MARGARET, A.B. <i>Recorder, Trinity College</i>	
SEABOLT, LOUISE, A.B., A.M. <i>Recorder, Woman's College</i>	407 Watts Street
GLASSON, WILLIAM HENRY, Ph.B., Ph.D. <i>Dean of the Graduate School of Arts and Sciences</i>	710 Buchanan Road
RANKIN, ROBERT STANLEY, A.B., A.M., Ph.D. <i>Assistant Dean of the Graduate School</i>	1025 Monmouth Avenue
MILLER, JUSTIN, A.B., LL.B., J.D. <i>Dean of the School of Law</i>	West Campus
DEAN, GORDON EVANS, A.B., J.D., LL.M. <i>Assistant to the Dean of the Law School</i>	2607 Chapel Hill Street
HOLTON, HOLLAND, A.B., J.D. <i>Director of the Summer School</i>	809 Watts Street
*RUSSELL, ELBERT, A.B., A.M., Ph.D. <i>Dean of the School of Religion</i>	811 Vickers Avenue
GARBER, PAUL NEFF, A.B., A.M., Ph.D. <i>Registrar of the School of Religion</i>	West Campus
DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D. <i>Dean of the School of Medicine</i>	Hope Valley
BAKER, BESSIE, R.N., B.S. <i>Dean of the School of Nursing</i>	Nurses Home
KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. <i>Director of the Duke Forest</i>	908 West Markham Avenue
MAUGHAN, WILLIAM, B.S., M.F. <i>Assistant Director of the Duke Forest</i>	2307 Club Boulevard

INSTRUCTIONAL STAFF

The date denotes the first year of service.

ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. <i>Assistant Professor of Psychology</i>	1017 Rose Hill Avenue
ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D. <i>Assistant Professor of Botany</i>	214 Faculty Apartments, East Campus
ALDRIDGE, FRED SOULE, (1922) A.B., A.M. <i>Assistant Professor of Mathematics</i>	East Campus
ALYEA, EDWIN PASCAL, (1930) S.B., M.D. <i>Associate Professor of Urology</i>	1019 Markham Avenue
ANDERSON, ANDREW RUNNI, (1929) A.B., Ph.D. <i>Professor of Latin</i>	2404 Club Boulevard

* On leave, 1933-1934.

- ANDERSON, WILLIAM BANKS, (1930) A.B., M.D.
Assistant Professor of Oto-Laryngology 6 Beverly Apartments
- BAKER, BESSIE, (1930) B.S., R.N. Nurses Home
*Dean of the School of Nursing and Professor of
 Nursing Education*
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.
Associate Professor of History East Campus
- BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.
Professor of English 103 Faculty Apartments, East Campus
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D. University Drive
Assistant Professor of Physiology and Pharmacology
- BERNHEIM, MARY LILAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D. University Drive
Assistant Professor of Biochemistry
- *BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D. 1001 Lamond Avenue
Assistant Professor of Chemistry
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E. 1209 Virginia Avenue
Professor of Civil Engineering
- BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A. 612 Club Boulevard
Instructor in Accounting
- BLACKBURN, WILLIAM MAXWELL, (1926) A.B., B.A., M.A. 1028 Gloria Avenue
Assistant Professor of English
- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D. 1305 B Street
Professor of Botany
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A., M.A., B.C.L. Hope Valley
Professor of Law
- **BOYD, WILLIAM KENNETH, (1906) A.B., A.M., Ph.D. Hope Valley
Professor of History
- BRADWAY, JOHN SAEGER, (1931) A.B., A.M., LL.B. 111 Briarcliff Road
Professor of Law
- BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D. Hope Valley
Professor of New Testament Language and Literature
- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M. 1001 Lamond Avenue
Instructor in Romance Languages
- BROWN, FRANCES, (1931) A.B., Ph.D. 1107 Minerva Avenue
Instructor in Chemistry
- BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D. 410 Buchanan Road
Professor of English
- BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D. Hope Valley
Professor of Educational Psychology

* On leave as Exchange Professor in University of Edinburgh, 1933-1934.

** On leave, spring, 1934.

- BRUTON, PAUL WESLEY, (1932) A.B., LL.B., J.S.D.
Assistant Professor of Law 2511 University Drive
- BRYSON, THADDEUS DILLARD, (1928)
Professor of Law Hope Valley
- CAMPBELL, NEIL, (1933) Ph.D.
Exchange Lecturer in Chemistry, from University of Edinburgh Duke University
- CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M.
Ivey Professor of History of Religion and Missions Hope Valley
- CARLITZ, LEONARD, (1932) A.B., Ph.D.
Assistant Professor of Mathematics 6 Bickett Apartments
- CARPENTER, DAVID WILLIAMS, (1929) A.B., M.A., Ph.D.
Instructor in Physics 1208 Arnette Avenue
- CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.
Associate Professor of Education 926 Monmouth Avenue
- CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.
Associate Professor of History Faculty Club, East Campus
- CARTER, BAYARD, (1931) A.B., B.A., M.A., M.D.
Professor of Obstetrics and Gynecology West Campus
- CAVERS, DAVID FARQUHAR, (1931) B.S., LL.B.
Assistant Professor of Law 414 Carolina Circle
- CHILDS, BENJAMIN GUY, (1924) A.B., A.M.
Professor of Education 1019 W. Markham Avenue
- CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D.
Instructor in New Testament Language and Literature 11 Bickett Apartments
- *CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.
Assistant Professor of Physics 1011 Monmouth Avenue
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.
Professor of Romance Languages 1017 Dacian Avenue
- CRANFORD, WILLIAM IVEY, (1891) A.B., Ph.D.
Carr Professor of Philosophy 708 Buchanan Road
- CRAVEN, LESLIE, (1932) A.B., J.D.
Professor of Law House B, 401, West Campus
- CRISPELL, RAYMOND, (1933) A.B., M.D.
Associate Professor of Neuropsychiatry Hope Valley
- CRUM, MASON, (1930) A.B., Ph.D.
Assistant Professor of Biblical Literature 1308 College Road
- CUNNINGHAM, BERT, (1916) B.S., M.S., A.M., Ph.D.
Professor of Biology 1200 College Road

* On leave, 1933-1934.

- DALE, JULIA, (1930) A.B., A.M., Ph.D. 300 Monmouth Avenue
Assistant Professor of Mathematics
- **DANA, WILLIAM JAY, (1932) B.S., M.E. 1306 N. Mangum Street
Professor of Mechanical Engineering
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.
Instructor in Romance Languages
102 Faculty Apartments, East Campus
- DAVISON, WILBURT CORNELL, (1927) A.B., B.A., B.Sc., M.A., D.Sc., M.D.
Professor of Pediatrics Hope Valley
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.
Instructor in Mathematics Chapel Hill Road
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D. Hope Valley
Professor of Physiology and Pharmacology
- EAGLE, WATT WEEMS, (1930) A.B., M.D. 1025 Monmouth Avenue
Associate Professor of Oto-Laryngology
- EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.
Assistant Professor of Education P.O. Box 4714 Duke Station
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.
Professor of Physics 406 Buchanan Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.
Professor of Mathematics Faculty Club, East Campus
- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.
Professor of Sociology Pine Crest Road
- FORBUS, WILEY DAVIS, (1930) A.B., M.D. Hope Valley
Professor of Pathology
- FULLER, LON, (1931) A.B., J.D. Hope Valley
Professor of Law
- FULLER, WARNER, (1932) B.S., LL.B. 418 Carolina Circle
Assistant Professor of Law
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D. West Campus
Professor of Church History
- GARDINER, ANN HENSHAW, (1930) R.N., B.S., M.S. Nurses Home
Assistant Professor of Nursing Education
- GARDNER, CLARENCE ELLSWORTH, JR., (1930) A.B., M.D.
Assistant Professor of Surgery Manchester Apartments
- GATES, ARTHUR MATHEWS, (1909) A.B., A.M., Ph.D.
Assistant Professor of Latin 1030 W. Trinity Avenue
- GILBERT, ALLAN, (1920) B.A., A.M., Ph.D. 516 Carolina Circle
Professor of English

** Deceased.

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Professor of Philosophy 516 Carolina Circle
- GLASSON, WILLIAM HENRY, (1902) Ph.B., Ph.D. 710 Buchanan Road
Professor of Political Economy and Social Science
- GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.
Associate Professor of English
 302 Erwin Apartments, Buchanan Road
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Assistant Professor of Zoölogy
- GREENE, WALTER KIRKLAND, (1928) A.B., A.M., Ph.D. West Campus
Professor of English
- GREENWOOD, JOSEPH, (1930) A.B., A.M., Ph.D. Nation Avenue
Instructor in Mathematics
- GREGORY, GEORGE MACKENDRICK, (1927) A.B., A.M., Ph.D.
Instructor in English 3 Trinity Apartments
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D. Hope Valley
William Hoxvell Pegram Professor of Chemistry
- GROUT, JULIA REBECCA, (1924) A.B., M.S. 104 Faculty Apartments
Director of Physical Education, Woman's College
- HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D. 1011 Dacian Avenue
Professor of Zoölogy
- HALL, LOUISE, (1931) B.A., S.B. in Architecture,
 Brevet d' Art de la Sorbonne 5 Powe Apartments
Instructor in Fine Arts
- HALL, WILLIAM HOLLAND, (1915) A.B., A.M., B.C.E., M.S.C.E.
Professor of Engineering 11 Beverly Apartments
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Associate Professor of Obstetrics and Gynecology
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D.
Professor of Economics 1012 Green Street
- HANES, FREDERIC MOIR, (1931) A.B., A.M., M.D. West Campus
Professor of Medicine
- HANSEN-PRÜSS, OSCAR CARL EDWARD, (1930) A.B., M.D.
Assistant Professor of Medicine 3 Surry Road, Hope Valley
- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D.
Professor of Zoölogy 811 Watts Street
- HART, DERYL, (1930) A.B., A.M., M.D. West Campus
Professor of Surgery
- HARVILL, RICHARD ANDERSON, (1932) B.S., A.M., Ph.D.
Instructor in Economics 702 Buchanan Road

- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.
Professor of Physics 708 Buchanan Road
- HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.
Instructor in Chemistry 2119 Club Boulevard
- HERRING, HERBERT JAMES, (1924) A.B., A.M.
Instructor in Public Speaking 101 Erwin Apartments
- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.
Associate Professor of Anatomy Hope Valley
- HICKMAN, FRANKLIN SIMPSON, (1927) A.B., A.M., S.T.B., Ph.D.
Professor of Psychology of Religion 1308 College Road
- HICKSON, ARTHUR OWEN, (1929) A.B., A.M., Ph.D.
Assistant Professor of Mathematics Nation Avenue
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.
Instructor in Chemistry 507 Watts Street
- HOLTON, HOLLAND, (1912) A.B., J.D.
Professor of the History and Science of Education 809 Watts Street
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D.
Professor of Economics 2413 Club Boulevard
- HOPKINS, DWIGHT LUCIAN, (1928) B.S., M.S., Ph.D.
Assistant Professor of Zoölogy 922 Demarius Street
- HORACK, HUGO CLAUDE, (1930) Ph.B., LL.B.
Professor of Law West Campus
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.
Professor of English Pinecrest Road
- JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.
Professor of Sociology 1516 Hermitage Court
- JOHNSTON, CHRISTOPHER, (1930) A.B., M.D.
Assistant Professor of Medicine 118 W. Seeman Street
- JONES, ROBERT RANDOLPH, JR., (1930) A.B., M.D.
Assistant Professor of Surgery Duke Hospital
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.
Assistant Professor of English Faculty Club, East Campus
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.
Professor of Romance Languages Pinecrest Road
- KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.
Professor of Silviculture 908 West Markham Avenue
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.
Instructor in Botany 1011 Monmouth Avenue
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.
Professor of German 2118 Englewood Avenue

- LONDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.
Assistant Professor of Economics and Economic Geography 1214 Sixth Street
- LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.
Instructor in History 406 Erwin Apartments
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.
Professor of History 1108 Monmouth Avenue
- LEHMAN, JACOB STAUFFER, (1933) B.S., M.D.
Instructor in Roentgenology Duke Hospital
- LEMERT, BEN FRANKLIN, (1930) B.S.E., M.A., Ph.D.
Instructor in Economic Geography 15 Ambassador Apartments
- LUNDEBERG, OLAV, (1931) A.B., A.M., Ph.D.
Associate Professor of Romance Languages 204 Markham Avenue
- LUNDHOLM, HELGE, (1930) Ph.D.
Associate Professor of Psychology 1118 N. Duke Street
- LEBRY, WILLIAM ALEXANDER, (1930) A.B., A.M., Ph.D.
Instructor in History West Campus
- MACKAY, DOROTHY LOUISE, (1930) A.B., M.A., Docteur de
 L'Université de Paris Powe Apartments, Buchanan Road
Assistant Professor of History
- MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.
Professor of Law Hope Valley
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.
Instructor in History West Campus
- MARTIN, ELSIE WILSON, Mrs., (1930) A.B., M.S.
Professor of Dietetics Faculty Apartments, East Campus
- MAUGHAN, WILLIAM, (1931) B.S., M.F.
Assistant Professor of Forestry 2307 Club Boulevard
- MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.
Instructor in German Hope Valley
- McBRYDE, ANGUS MURDOCH, (1931) B.S., M.D.
Assistant Professor of Pediatrics Duke Hospital
- McCAIN, PAUL PRESSLY, (1933) A.B., M.D.
Assistant Professor of Clinical Medicine Southern Pines, N. C.
- McCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.
Instructor in History 802 Second Street
- McCREA, FOREST DRAPER, (1930) B.S., M.S., Ph.D.
Associate Professor of Physiology and Pharmacology
 1010 Monmouth Avenue
- McDERMOTT, MALCOLM, (1930) A.B., LL.B.
Professor of Law East Campus

- *MCDUGALL, WILLIAM, (1927) B.A., M.A., M.B., D.Sc., Litt.D.
Professor of Psychology Faculty Club, East Campus
- MILES, EDWARD ROY CECIL, (1929) B.S., M.A., Ph.D.
Assistant Professor of Mathematics
 118 Faculty Apartments, East Campus
- MILLER, JUSTIN, (1930) A.B., LL.B., J.D. West Campus
Professor of Law
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M. 1008 W. Trinity Avenue
Associate Professor of English
- MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.
Instructor in Physics 306 Faculty Apartments, East Campus
- MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M.
Professor of Biblical Literature 1015 Watts Street
- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.
Assistant Professor of History 2032 Club Boulevard
- NICHOL, ARCHIBALD JAMIESON, (1930) A.B., M.A., Ph.D.
Instructor in Economics 1009 Rose Hill Avenue
- NIELSEN, WALTER MCKINLEY, (1925) B.S., Ph.D.
Assistant Professor of Physics 1407 Virginia Avenue
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D.
Instructor in Botany 1013 Rose Hill Avenue
- ORMOND, JESSE MARVIN, (1923) A.B., B.D. 301 Watts Street
Professor of Practical Theology
- PATTERSON, KARL BACHMAN, (1920) A.B., A.M.
Assistant Professor of Mathematics 1024 Monmouth Avenue
- PATTON, LEWIS, (1926) A.B. 2415 Club Boulevard
Assistant Professor of English
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D. Hope Valley
Professor of Zoölogy
- PEPPLER, CHARLES WILLIAM, (1912) A.B., Ph.D. 406 Buchanan Road
Professor of Greek
- PERLZWEIG, WILLIAM ALEXANDRE, (1930) B.S., A.M., Ph.D.
Professor of Biochemistry Hope Valley
- PERRY, HAROLD SANFORD, (1932) B.S., Ph.D.
Instructor in Botany 619 Morehead Avenue
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D. West Campus
Professor of Education
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D.
Professor of Political Science 1025 Monmouth Avenue

* On leave, spring, 1934.

- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.
Professor of Mathematics 1011 Gloria Avenue
- RATCHFORD, BENJAMIN ULYSSES, (1928) A.B., A.M., Ph.D.
Instructor in Economics 4 Trinity Apartments
- RAYMOND, LOIS, (1931) A.B., M.A.
Instructor in French 507 Watts Street
- REEVES, ROBERT JAMES, (1930) A.B., M.D.
Associate Professor of Roentgenology
 212 Faculty Apartments, East Campus
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D. Nation Avenue
Associate Professor of Psychology
- RIPPY, J. FRED, (1926) A.B., A.M., Ph.D. Forest Hills
Professor of History
- ROBERTS, CHRISTOPHER, (1929) B.S., A.M., Ph.D.
Assistant Professor of Economics
 116 Faculty Apartments, East Campus
- ROBERTS, JOHN H., (1931) A.B., Ph.D. 1 Bickett Apartments
Assistant Professor of Mathematics
- ROSBOROUGH, RUSKIN RAYMOND, (1925) A.B., A.M., Ph.D., Docteur en
 philologie classique, Louvain
Professor of Latin Faculty Club, East Campus
- ROSS, ROBERT ALEXANDER, (1930) B.S., M.D. 214 Swift Avenue
Assistant Professor of Obstetrics and Gynecology
- ROWE, GILBERT THEODORE, (1928) A.B., D.D., Litt.D. Pinecrest Road
Professor of Christian Doctrine
- RUFFIN, JULIAN MEADE, (1930) A.B., M.A., M.D.
Assistant Professor of Medicine 1010 Green Street
- *RUSSELL, ELBERT, (1926) A.B., A.M., Ph.D. 811 Vickers Avenue
Professor of Biblical Interpretation
- SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D. 1604 B Street
Instructor in Chemistry
- SCHEALER, SAMUEL RAYMOND, (1927) E.E., M.S. Hope Valley
Professor of Electrical Engineering
- SEELEY, WALTER JAMES, (1925) E.E., M.S. 1005 Urban Avenue
Professor of Electrical Engineering
- SHANDS, ALFRED RIVES, JR., (1930) B.A., M.D. 1008 Green Street
Associate Professor of Orthopedics
- SHEARS, LAMBERT ARMOUR, (1927) A.B., A.M., Ph.D.
Instructor in German 917 Green Street
- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.
Assistant Professor of Accounting Faculty Club, East Campus

* On leave, 1933-1934.

- SHRYOCK, RICHARD HARRISON, (1925) B.S., Ph.D.
Professor of History 1011 Watts Street
- SMITH, DAVID TILLERSON, (1930) A.B., M.D. Hope Valley
Professor of Bacteriology and Associate Professor of Medicine
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D.
Professor of Religious Education Hermitage Court
- SMITH, ROBERT SIDNEY, (1932) A.B., A.M., Ph.D. 918 Dacian Avenue
Instructor in Economics
- SMITH, RUTH SLACK, MRS., (1927) A.B., A.M.
Instructor in Education 115 Faculty Apartments, East Campus
- SPEARS, MARSHALL TURNER, (1927) A.B., A.M. 501 Watts Street
Lecturer in Law
- SPENCE, BESSIE WHITTED, MRS., (1929) A.B., A.M., B.D. Hope Valley
Instructor in Biblical Literature
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D. Hope Valley
Professor of Biblical Literature and Religious Education
- SPRUNT, DOUGLAS HAMILTON, (1932) B.S., M.S., M.D.
Assistant Professor of Pathology Hope Valley
- STANBURY, WALTER ALBERT, (1929) A.B., D.D.
Professor of Practical Theology
- SUGDEN, HERBERT WILFRED, (1929) A.B., A.M., Ph.D.
Instructor in English 201 Faculty Apartments, East Campus
- SWETT, FRANCIS HUNTINGTON, (1930) A.B., M.A., Ph.D. Hope Valley
Professor of Anatomy
- TAYLOR, HAYWOOD MAURICE, (1930) B.S., M.S., Ph.D.
Assistant Professor of Biochemistry Rockwood, University Drive
- THOMAS, JOSEPH MILLER, (1930) A.B., Ph.D.
Assistant Professor of Mathematics House G, 107, West Campus
- TOWE, WILLIAM THOMPSON, (1924) A.B.
Assistant Professor of Business Law
Powe Apartments, Watts Street
- *Troxell, JOHN PHILLIP, (1932) A.B., Ph.D. 2302 Club Boulevard
Associate Professor of Economics and Business Administration
- VANCE, MARY HENDREN, MRS., (1926) A.B., A.M.
Assistant Professor of English.
215 Faculty Apartments, East Campus
- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D. West Campus
Professor of German
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.
Associate Professor of Chemistry 2319 Englewood Avenue

* On leave, 1933-1934.

- VOYLES, CARL, (1931) B.S. 314 W. Trinity Avenue
Assistant Director of Physical Education, Trinity College
- WADE, WALLACE, (1931) A.B. West Campus
Director of Physical Education, Trinity College
- WALTON, LORING BAKER, (1929) Lic. ès L. 2411 Club Boulevard
Assistant Professor of Romance Languages
- WANNAMAKER, WILLIAM HANE, (1904) A.B., A.M., Litt.D.
Professor of German West Campus
- WAY, VERNON ELGIN, (1930) A.B., A.M., M.A.
Assistant Professor of Greek 1013 Gregson Street
- WEBB, ALBERT MICAJAH, (1903) A.B., A.M. 1017 Trinity Avenue
Professor of Romance Languages
- WEST, ALFRED THURBER, (1930) B.S.
Instructor in English 202 Faculty Apartments, East Campus
- WHITE, MARIE ANNE, MRS., (1930) A.B., A.M. Hope Valley
Instructor in English
- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D. Hope Valley
Professor of English
- WIDGERY, ALBAN GREGORY, (1930) B.A., M.A. Pinecrest Road
Professor of Philosophy
- WILBUR, RALPH SYDNEY, (1933) B.S. in M.E. 2108 University Drive
Associate Professor of Mechanical Engineering
- WILSON, FREDERICK ELIPHAZ, (1923) A.B., A.M. 1007 Urban Avenue
Assistant Professor of German
- WILSON, ROBERT NORTH, (1910) A.B., M.S. 822 Third Street
Professor of Chemistry
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D.
Professor of Political Science 216 Forest Wood Drive
- *WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.
Professor of Botany 807 Second Street
- WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D.
Instructor in History 108 Forestwood Drive
- YATES, ANNE, (1933) A.B., A.M., Ph.D. Hope Valley
Instructor in Biochemistry
- YOUNG, EDWARD HUDSON, (1923) A.B., A.M. 13 Beverly Apartments
Assistant Professor of Romance Languages

* On leave, 1933-1934.

ZENER, KARL EDWARD, (1928) A.B., A.M., Ph.D. 416 Carolina Circle
Assistant Professor of Psychology

INSTRUCTIONAL STAFF WITHOUT SEATS IN THE GENERAL FACULTY

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BAKER, ELEANOR USSHER, (1930) A.B. Duke Hospital
Instructor in English in School of Nursing

BAKER, ROGER DENIO, (1930) A.B., M.D. 2320 Club Boulevard
Instructor in Pathology

BATCHELDER, MARION FRANCES, (1930) R.N. Duke Hospital
Instructor in Nursing Administration and Supervision

BROADHEAD, EDWARD HALL, (1933) A.B., A.M. Duke University
Instructor in Music

CALDER, ROYALL MANN, (1930) A.B., M.D. Duke Hospital
Instructor in Medicine

CRAVEN, ERLE BULLA, JR., (1930) A.B., M.D. Duke Hospital
Instructor in Medicine

CRAVEN, JEAN DAVIDSON, (1930) A.B., M.D. Duke Hospital
Instructor in Pediatrics

DICK, MACDONALD, (1932) B.A., M.A., M.D. Duke Hospital
Instructor in Medicine

EPPELSON, JEFFE HARRISON, (1930) B.S. 1202 Mangum Street
Instructor in Preventive Medicine and Public Health

EVERETT, JOHN WENDELL, (1932) A.B., Ph.D. Duke Hospital
Instructor in Anatomy

FINKELSTEIN, HAROLD, (1931) B.S., M.D. Duke Hospital
Instructor in Surgery

*GATLIN, ROBERT HENRY, (1931) B.S. in Civil Engineering
Instructor in Engineering 310 Holloway Street

GODARD, JAMES MCFATE, (1932) A.B., A.M. 2401 Club Boulevard
Instructor (part time) in Education

HAYWOOD, CHARLES LEWIS, JR., (1932) A.B., M.A., M.D. Duke Hospital
Instructor in Anatomy

HOFFMAN, GEORGE, (1931) A.B., A.M. 1104 Watts Street
Instructor in English

HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D. 2313 Englewood Avenue
Instructor in Anatomy

KEECH, JAMES MAYNARD, (1931) A.B., A.M. 12 Bickett Apartments
Instructor in Economics

* Resigned, 1934

KOONTZ, HAROLD DILLINGER, (1933) A.B., M.B.A. <i>Instructor in Economics</i>	West Campus
LAXTON, AUGUSTA, (1930) R.N. <i>Instructor in Nursing Administration and Supervision</i>	Nurses Home
LEWIS, WILLIAM WHITFIELD, (1934) B.S. in C.E. <i>Instructor in Engineering</i>	College Station
MARTIN, DONALD STOVER, (1932) A.B., M.D. <i>Instructor in Medicine</i>	Duke Hospital
MATHEWS, RALPH THOMPSON, (1930) B.S. in M.E. <i>Instructor in Mechanical Engineering</i>	911 Green Street
MCCUTCHEON, ERNEST PARRISH, (1930) D.D.S. <i>Instructor in Dentistry</i>	Beverly Apartments
MCLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M. <i>Instructor in Philosophy</i>	Duke University Road
NELSON, HULDA GERTRUDE, (1930) R.N. <i>Instructor in Nursing Administration and Supervision</i>	Duke Hospital
PERSONS, ELBERT LAPSLEY, (1930) A.B., M.D. <i>Instructor in Medicine</i>	Trinity Apartments
PORRO, FRANCIS WALTHOUR, (1931) B.S., M.D. <i>Instructor in Pathology</i>	1012 Burch Avenue
PULLIAS, EARL VIVON, (1932) A.B., A.M. <i>Instructor (part time) in Education</i>	Duke University
QUYNN, WILLIAM ROGERS, (1930) B.A., M.A. <i>Instructor in French</i>	507 Watts Street
RIGDON, RAYMOND HARRISON, (1931) B.S., M.D. <i>Instructor in Pathology</i>	Duke Hospital
SIMPSON, WILLIAM HAYS, (1930) A.B., A.M. <i>Instructor in Political Science</i>	7 Bickett Apartments
SMITH, SUSAN GOWER, (1930) A.B., M.A. <i>Instructor in Physiology and Pharmacology</i>	Hope Valley
TRUESDALE, JAMES NARDIN, (1930) A.B., A.M. <i>Instructor (part time) in Greek</i>	Epworth
WALLACE, ELBERT STEPHEN, (1933) A.B., A.M. <i>Instructor (part time) in Economics</i>	1505 Duke University Road
WARD, CHARLES EUGENE, (1927) A.B., A.M. <i>Instructor in English</i>	Tuscaloosa Forest

HONORARY FELLOWS

Brown, Alice Lenore A.B., A.M., University of Kansas; Ph.D., Cornell	Zoölogy	113 Faculty Apts.
Fleshman, Arthur Cary B.S., Westminster; A.M., George Washington; Ph.D., New York	Psychology	Hotel Malbourne

McCulloch, Thomas Logan	Psychology	Duke Station
A.B., Whittier; A.M., Ph.D., Duke		
Margineanu, Nicolas	Psychology	7 Powe Apts.
Ph.D., Cluj University, Roumania		

UNIVERSITY FELLOWS

Adams, John Clinton	History	1010 West Trinity Ave.
B.S., University of Pennsylvania; A.M., Duke		
Bailey, Howland Haskell	Physics	809 Chapel Hill St.
A.B., Haverford		
Bookhout, Cazlyn Green	Zoölogy	204 Watts St.
A.B., St. Stephen's; A.M., Syracuse		
Brody, Leon	Education	1004 Minerva Ave.
A.B., M.S., College of the City of New York		
Butts, Helen Elizabeth	Zoölogy	210 Bassett
A.B., A.M., Brown		
Dearborn, Donald Curtis	Mathematics	107 House B
A.B., Hastings; A.M., University of Nebraska		
*Elliott, Emmet Roach	Mathematics	918 Urban Ave.
B.S., Hampden-Sidney; A.M., Duke		
Farioletti, Marius	Economics	611 Watts St.
B.B.A., University of Chattanooga; A.M., Oberlin		
Garrett, Harper Lee	History	108 E. Markham Ave.
A.B., The Citadel; A.M., Duke		
Gibson, William Marion	Political Science	921 Monmouth Ave.
A.B., University of Richmond; A.M., Duke		
Godcharles, Charles Augustus	Philosophy	304 Cook St.
A.B., Bucknell; A.M., Duke		
Goldstein, Israel Payson	English	120 Epworth
A.B., Lehigh		
Harris, Isabella Deas	English	311 Jarvis
A.B., Wesleyan; A.M., Duke		
Harrison, David Moody	Economics	1114 8th St.
B.S., Ursinus; A.M., Duke		
Hoole, William Stanley	English	110 Watts St.
A.B., A.M., Wofford		
LeMaistre, John Wesley	Chemistry	2219 Club Blvd.
B.S.E., M.S., University of Michigan		
Miller, Harold William	Greek	209 House A
A.B., Wofford; A.M., Duke		

* Resigned February 1, 1934.

Montague, Ludwell Lee	History	207 House A
A.B., Virginia Military Institute; A.M., University of Pennsylvania		
Overdyke, William Darrell	History	1014 Lamond Ave.
A.B., Centenary; A.M., Louisiana State		
Rice, Nolan Ernest	Zoölogy	208 E. Trinity Ave.
A.B., University of Kentucky; A.M., Duke		
Rintelen, Joseph Charles, Jr.	Chemistry	306 House A
B.S., Brooklyn Polytechnic Institute; M.S., Cornell		
Shankle, Herbert Lazelle	Chemistry	604 Buchanan Rd.
A.B., A.M., Duke		
Sparks, Dade	History	918 Urban Ave.
A.B., East Texas State Teachers College; A.M., University of Texas		
Stanbury, Walter Albert, Jr.	English	516 W. Chapel Hill St.
A.B., A.M., Duke		
Tollen, William Bruce	Sociology	1006 Shepherd St.
A.B., University of Pennsylvania		
Williams, Harold Fish	Botany	2 Overby Drive
Ph.B., University of Wisconsin		
Woodward, George Milton	Economics	205 House A
A.B., A.M., Vanderbilt		

INDUSTRIAL RESEARCH FELLOWS

Darkis, Frederick Randolph	Chemistry	2114 Club Blvd.
B.S., M.S., Ph.D., University of Maryland		
Dixon, Lawrence F.	Chemistry	916 Monmuoth Ave.
A.B., Duke		
McLean, Ruth	Chemistry	1022 Monmouth Ave.
A.B., Woman's College of U. N. C.		
Pearson, John Herbert	Chemistry	806 Second St.
Sc.B., Brown; Ph.D., Duke		
Sigmon, Hugh William	Chemistry	1116 Burch St.
B.S., M.S., North Carolina State College		

GRADUATE ASSISTANTS

**Andrews, Henry Lucian	Sociology	04 House C
A.B., A.M., Duke		
Billings, William Dwight	Botany	309 House E
A.B., Butler		
Brandt, Bartholomew Brandner	Zoölogy	1012 Alabama Ave.
B.Sc., Mississippi State		

** Appointed February 1, 1934.

INSTRUCTIONAL STAFF

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Bryan, Jack Yeaman A.B., A.M., University of Arizona	Philosophy	409 Cook St.
Cagle, William Carl B.S., University of Chattanooga; A.M., George Peabody	Chemistry	2219 Club Blvd.
Cleaves, Alden Parker A.B., A.M., Boston	Physics	01 House C
Comer, David Baine, III A.B., A.M., Tulane	English	1505 Duke University Rd.
Dreyer, Edward Peter B.S., A.M., Tulane	English	1505 Duke University Rd.
Dunlap, Orell Alva A.B., Presbyterian	Economics	Vance Apts.
*Edwards, Allen David B.S., Western State Teachers College, Michigan; University of Wisconsin	Sociology	918 Urban Ave.
Finan, John Lincoln A.B., Harvard	Psychology	306 House A
Gorman, Mary Aylward A.B., Randolph-Macon Woman's College; A.M., Duke	Chemistry	210 Bassett
*Hardin, Rector Roemilt A.B., Berea; A.M., Duke	Economics	1114 8th St.
Harkema, Reinard A.B., Calvin	Zoölogy	407 Cook St.
Hathorn, John Broadus A.B., A.M., Rice Institute	Education	921 W. Markham Ave.
Hobbs, Marcus Edwin A.B., Duke	Chemistry	01 House V
Huberman, Edward A.B., Harvard; A.M., Rutgers	English	1010 W. Trinity Ave.
*Humble, Hilary Augustus A.B., A.M., Duke	Chemistry	01 House V
Jacokes, James Warner, Jr. B.S., Union University, Tennessee	Chemistry	103 House H
Johnston, Thomas McNaughton B.S., Washington and Jefferson; A.M., Tulane	English	1505 Duke University Rd.
Kates, Kenneth Casper A.B., St. Stephen's	Zoölogy	204 Watts St.
McCain, William David B.S., Mississippi Delta State Teachers College; A.M., University of Mississippi.	History	05 House C

* Resigned February 1, 1934.

McCord, William Fletcher A.B., Mercer	Psychology	406 E. Trinity Ave.
McCormick, Edward Theodore B.S., University of Arizona; M.S., University of California	Economics	305 House B
McCutcheon, Frederick Harold B.S., M.S., North Dakota State College	Zoölogy	819 Third St.
McDavid, Raven Ioor, Jr. A.B., Furman; A.M., Duke	English	202 House A
McGlothlin, William Joseph. II A.B., Furman; A.M., Columbia	English	1601 Duke University Rd.
McManus, Mary Idolene A.B., Coker; A.M., University of South Carolina	Zoölogy	107 Bassett
Manget, Jeanne Logan A.B., A.M., Duke	Physics	315 Brown
Miller, William Taylor, Jr. A.B., Duke	Chemistry	2219 Club Blvd.
Moore, Daniel Houston A.B., A.M., Duke	Physics	918 Urban Ave.
Nuermberger, Gustave Adolph A.B., University of Buffalo; A.M., Duke	History	203 House A
Parker, Enid Rifner A.B., University of Chattanooga; A.M., Duke	Latin	307 Bassett
Pratt, Joseph Gaither A.B., A.M., Duke	Psychology	403 Cook St.
Raasch, LaVerne Amando A.B., A.M., University of Wisconsin	English	308 Bassett
Reed, John Frederick A.B., Dartmouth	Botany	306 House B
Reeves, Carl Walker B.S., The Citadel; A.M., Columbia	English	301 House B
Roberts, Tilden Wirt A.B., Indiana	Zoölogy	1004 Minerva Ave.
Root, Paul Adelbert A.B., Asbury; B.D., Duke	Sociology	303 House B
Smith, Newell Hart A.B., Park; A. M., University of Virginia	Physics	1116 Burch Ave.
Spangler, Helen Virginia A.B., M.S., West Virginia	Botany	314 Jarvis

Stuart, Charles Edward A.B., Duke	Psychology	803 Cook St.
Swanson, John Chester A.B., University of Richmond; A.M., Duke	Physics	914 Exum St.
Wallace, Elbert Stephen A.B., Birmingham-Southern; A.M., Duke	Economics	1023 Gloria Ave.
Whitenfish, Abe Irving B.S., University of Richmond; A.M., Duke	Chemistry	212 House H
**Whitman, William Tate A.B., A.M., Duke	Economics	921 Monmouth Ave.
Winton, Lowell Sheridan B.S., Grove City; A.M., Oberlin	Mathematics	918 Urban Ave.
Wynne, Robert Baker A.B., A.M., College of William and Mary	English	1026 Monmouth Ave.
Yeargan, Cordon Arnold A.B., Kansas State Teachers College	Zoölogy	809 Chapel Hill St.

GRADUATE SCHOLARS

*Dillon, Conley Hall A.B., Marshall; A.M., Duke	Political Science	611 Watts St.
Dye, Margaret Luisita A.B., University of Missouri	French	112 Bassett
Garner, Samuel Paul A.B., Duke	Economics	101 House B
**Harrington, John Beattie A.B., A.M., Princeton	Philosophy	303 House A
Heckman, Oliver Saxon A.B., Lebanon Valley; A.M., University of Illinois	History	203 House A
Humrichouse, Ann Stockton A.B., Bryn Mawr	French	915 Monmouth Ave.
Ivey, Mary Stuart A.B., Lenoir Rhyne	Latin	216 Bassett
McCallie, Spencer Jarnagin, Jr. A.B., University of Virginia	Education	110 House D
McCarrell, David Kithcart A.B., Washington and Jefferson; A.M., Duke	History	207 House A
McEntire, Weldon Davis B.S., Utah State; A.M., Duke	Political Science	1417 James St.
Mann, Marvin Mellard A.B., A.M., Duke	Physics	905 Second St.

* Appointed February 1, 1934.

** Resigned February 1, 1934.

Morgan, Jasper Eugene	Physics	512 Milton Ave.
B.S., Wake Forest; A.M., Duke		
Morgan, Karl Ziegler	Physics	1116 Burch Ave.
A.B., A.M., University of North Carolina		
Peterson, Daniel McLeod	Mathematics	107 House B
A.B., University of Mississippi		
Poole, Mary Elizabeth	French	307 Giles
A.B., University of Kentucky; A.M., Duke		
*Riddick, Floyd Millard	Political Science	611 Watts St.
A.B., Duke; A.M., Vanderbilt		
Rolston, Cornelia Love	French	307 Bassett
A.B., University of Chattanooga		
Rose, Jesse Lee	Greek	1111 Urban Ave.
A.B., College of Charleston		
Searcy, Hubert	Political Science	1114 8th St.
A.B., Birmingham-Southern; A.M., Duke		
Shugart, Thomas Reeder	Physics	106 House A
B.S., Texas Christian		
Stites, Mildred Gant	Botany	314 Jarvis
A.B., Duke		
Tongue, William Richard	Latin	05 House C
A.B., University of Pennsylvania		
Webb, William Yates	Economics	03 House C
A.B., A.M., Columbia		
Williford, Annie May	History	317 Jarvis
A.B., Barnard; A.M., Columbia		
Zirkle, George	Psychology	818 Sixth St.
A.B., Tusculum		
Zirkle, Sara Ownbey	Psychology	818 Sixth St.
A.B., A.M., Duke		

ASSISTANTS

ARENA, JAY MORRIS, (1933)	B.S., M.D.	Duke Hospital
<i>Assistant in Pediatrics</i>		
BRYSON, EDWARD CONSTANT, (1931)		Hope Valley
<i>Assistant in the Legal Aid Clinic</i>		
**COOVER, CHESTER A., (1933)	B.S.F., M.F.	1104 Watts Street
<i>Assistant in Forestry</i>		
DANIEL, WALTER EUGENE, B.A., M.D.		3115 Duke Hospital
<i>Duke Diagnostic Clinic</i>		

* Resigned February 1, 1934.

** Resigned April 6, 1934.

DINSMORE, DONALD T., (1933) <i>Assistant in Forestry</i>	1104 Watts Street
FREEMAN, CLARENCE DEARBORN, JR., (1933) A.B., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
HALL, SNOWDEN COMAN, JR., (1932) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
HENNINGER, CHARLES M. <i>Assistant in Forestry</i>	1104 Watts Street
HICKS, JAMES MYERS, (1931) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
JONES, JULIA MARY, (1932) A.B. <i>Assistant in Anatomy</i>	Duke Hospital
JOYNER, GEORGE WILLIAM, (1933) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
MASON, MARY LOCHER, MRS., (1931) Diploma in Fine Arts, Teachers College, Columbia <i>Assistant in Education</i>	Roxboro Road
MASON, MORTON FREEMAN, (1931) B.S. <i>Assistant in Biochemistry</i>	7 Bickett Apartments
OATES, MAX OGLESBEE, (1930) A.B., M.D. <i>Assistant in Surgery</i>	3103 Duke Hospital
PARFENTJEV, IVAN ALEXANDER, (1932) Ph.D. <i>Assistant in Biochemistry</i>	Duke Hospital
PAYNE, SHELDON, (1932) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
PEELE, TALMAGE LEE, (1932) A.B. <i>Assistant in Anatomy</i>	Duke Hospital
POOLE, EVERETT BLANKS, (1932) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
POSTON, MARY ALVERTA, (1930) <i>Assistant in Bacteriology</i>	Glenn Apartments
RUEGSEGER, JAMES MOORE, (1932) <i>Assistant in Medicine</i>	Duke Hospital
SANGER, PAUL WELDON, (1932) A.B., M.D. <i>Assistant in Surgery</i>	Duke Hospital
SCHAUB, MAUD, (1933) M.A. <i>Technician in Zoölogy</i>	Duke University
SHIPP, MARY ELIZABETH, (1932) A.B., M.A. <i>Research Assistant in Anatomy</i>	1104 Watts Street
THOMAS, WALTER LEE, JR., (1932) A.B., M.A., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital

TWADDELL, VERA CARR, MRS., (1931) A.B. <i>Assistant in Education</i>	707 S. Duke Street
WANNAMAKER, MARGARET, (1932) A.B. <i>Assistant in Education</i>	Duke University
WILKINSON, WILLIAM EDGAR, (1933) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
ZIV, LOUIS BARNARD, (1930) A.B., M.D. <i>Assistant in Surgery</i>	Duke Hospital

THE UNIVERSITY LIBRARIES

*BOYD, WILLIAM KENNETH, A.B., A.M., Ph.D. <i>Director</i>	Hope Valley
BRANSCOMB, BENNETT HARVIE, A.B., B.A., M.A., Ph.D. <i>Acting Director</i>	Hope Valley

GENERAL LIBRARY

BREEDLOVE, JOSEPH PENN, A.B., A.M. <i>Librarian</i>	407 Watts Street
MALONE, EVA EARNSHAW, A.B., B.S. <i>Assistant Librarian in Charge of Cataloguing</i>	210 Faculty Apartments, East Campus 1317 Arnette Avenue
MORRELL, ERIC <i>Chief of the Order Department</i>	
POWELL, BENJAMIN EDWARD, A. B., B.L.S. <i>Chief of the Reference and Circulation Department</i>	310 Watts Street
<hr/>	
ABERNATHY, ETHEL, A.B. <i>Cataloguer</i>	208 Faculty Apartments, East Campus
APGAR, MRS. MARGARET PARSONS, A.B. <i>Secretary in the Order Department</i>	1005 W. Trinity Avenue
BLAKE, NELSON MOREHOUSE, A.B., A.M., Ph.D. <i>Assistant in the Manuscript Department</i>	Duke Station
BOYD, MARY ELIZABETH, A.B. <i>Assistant in the Order Department</i>	216 Faculty Apartments, East Campus
BURCHETTE, KATHRYN, A.B., B.A. in L.S. <i>Cataloguer</i>	1025 Monmouth Avenue
COUSINS, REBA THURSTON, A.B. <i>In Charge of the Work Room</i>	1107 Urban Avenue
COVINGTON, LENA, A.B. <i>Assistant in the Order Department</i>	1025 Monmouth Avenue
CREWS, SUDIE ELIZABETH <i>Assistant in the Order Department</i>	1004 West Trinity Avenue

* On leave, spring, 1934.

- FRAZIER, ROSE MARIE, A.B., B.S., B.M. 702 Buchanan Road
Assistant in the Reference Department
- GARNER, GEORGE LEE, A.B., A.M. 1025 Monmouth Avenue
Cataloguer
- GREEN, JANE, A.B., B. A. in L.S. 1004 West Trinity Avenue
Assistant in the Order Department
- HIX, EDWIN JONATHAN, A.B. 812 Fourth Street
Assistant in the Circulation Department
- HUNT, LULA HESTER 1004 West Trinity Avenue
Secretary to the Librarian
- ISRAEL, KATE OLA, A.B. 1022 Monmouth Avenue
Cataloguer in Charge of the Chemistry Library
- JENSEN, EVELYN, B.S. 216 Faculty Apartments, East Campus
Cataloguer
- JONES, ESTHER RUTH, A.B. 704 Buchanan Road
In Charge of Accessioning
- JOYNER, WILLIAM EPPIE, A.B. 215 Faculty Apartments, East Campus
In Charge of Reserve Book Room
- KEEN, EUNICE, A.B., B.A. in L.S. 1109 Minerva Avenue
Cataloguer
- KETRING, RUTH ANNA, A.B., A.M. 208 Faculty Apartments, East Campus
In charge of Manuscripts
- LOOS, LOUISE, A.B. 208 Faculty Apartments, East Campus
Assistant Cataloguer
- MALONE, EVA CANDLER, A.B. 804 Third Street
Cataloguer
- MERRITT, GERTRUDE, A.B. 2 Bickett Apartments
Assistant in the Order Department
- MORGAN, KATHERINE, MRS., A.B. Hillsboro, N. C., Route 3
In Charge of the Physics Library
- MYERS, MILDRED FLORENCE, A.B., B.S. in L.S. 704 Buchanan Road
Cataloguer
- OYLER, HELEN, A.B., B.S. in L.S. 704 Buchanan Road
Cataloguer
- PARKER, WIXIE ELMA, A.B., B.S. in L.S. 303 Erwin Apartments
Chief of the Periodical Department
- RAMAGE, MARY ALLENE, A.B., B.A. in L.S. 901 Fifth Street
In Charge of Newspapers
- RICE, GLADYS GARNETT, MRS., A.B. 208 East Trinity Avenue
In Charge of the Biology Library

- RIVERA, RODOLFO OSVALDO, A.B., A.M., Ph.D. Duke Station
Assistant in the Reference Department
- SEABOLT, RUTH, A.B. 407 Watts Street
Cataloguer
- SMITH, FRANK FERRELL, A.B. 819 Sixth Street
Assistant in the Circulation Department
- STARLING, MARY LEE, A.B., A.M. 813 Buchanan Road
In Charge of the Graduate Reading Room
- TATUM, WILLIAM GILCHRIST, JR., A.B. Duke Station
Assistant in the Periodical Department
- WESCOTT, MARY, A.B., B.S. 1008 Monmouth Avenue
First Assistant in the Cataloguing Department
- WOODALL, EVA AVERY, A.B. 901 Fifth Street
In Charge of the Reading Room, School of Religion

WOMAN'S COLLEGE LIBRARY

- GRIGGS, MRS. LILLIAN BAKER, B.A. in L.S. 510 Buchanan Road
Librarian
- BALDWIN, GRAYSON, A.B., B.S. 904 Vickers Avenue
Chief in the Order Department
- BLANCHARD, SARAH, A.B., B.S. 1008 Monmouth Avenue
Assistant in Circulation Department
- GRANT, ETTA BEALE, A.B., B.S. 1025 Monmouth Avenue
Assistant Librarian in Charge of Cataloguing
- HARRISON, EVELYN JENNINGS, A.B., B.S. in L.S. East Campus
Assistant Cataloguer
- MONTGOMERY, MARGARET ELIZABETH, A.B. 205 Faculty Apartments, East Campus
Chief of the Reference and Periodical Departments
- RIGSBEE, CLARA WARD, A.B. 1505 W. Chapel Hill Street
Chief in the Circulation Department
- SPENCE, MARY ELIZABETH, A.B. East Campus
Assistant Cataloguer

LAW LIBRARY

- ROALFE, WILLIAM ROBERT, LL.B. West Campus
Librarian
- CARPENTER, ANNIE LAURIE 1810 Vickers Avenue
Secretary to the Librarian
- COVINGTON, MARY SIMMONS, A.B., LL.B. Bassett House, East Campus
Research Librarian

- DAY, KATHERINE, B.S. 1010 Gloria Avenue
Assistant Cataloguer
- LONG, MARIANNA, A.B., B.A. in L.S. 1025 Monmouth Avenue
Head Cataloguer

DUKE HOSPITAL LIBRARY

- FARRAR, JUDITH, A.B., B.L.S.
 117 Faculty Apartments, East Campus
Librarian

UNIVERSITY CHAPEL

- HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.
 1308 College Road
- RUSSELL, ELBERT, A.B., A.M., Ph.D. 811 Vickers Avenue
Preachers to the University
- BARNES, JAMES FOSTER, A.B., A.M. 113 Watts Street
Director of Choral Music
- BREES, ANTON (1932) West Campus
University Carillonneur
- BROADHEAD, EDWARD HALL, (1933) A.B., A.M. Duke University
University Organist

PHYSICAL EDUCATION AND STUDENT HEALTH

- SPEED, JOSEPH ANDERSON, M.D. 913 Dacian Avenue
Director of Student Health
- WADE, WALLACE, A.B. West Campus
Director of Physical Education, Trinity College
- GROUT, JULIA REBECCA, A.B., M.S. 104 Faculty Apartments, East Campus
Director of Physical Education, Woman's College

TRINITY COLLEGE

- VOYLES, CARL, B.S. 314 West Trinity Avenue
Assistant Director of Physical Education
- CALDWELL, HERSCHEL, (1930) Duke University
Assistant in Physical Education
- CAMERON, EDMUND McCULLOUGH, (1926) A.B. 2 Manchester Apartments
Assistant in Physical Education
- CARD, WILBUR WADE, (1902) A.B. 1110 Minerva Avenue
Director the Gymnasium

CHAMBERS, ROBERT LUTHER, (1933) B.S. <i>Assistant in Physical Education</i>	Duke University
COOMBS, JOHN WESLEY, (1929) B.S. <i>Assistant in Physical Education</i>	House DD, 101, Craven Quadrangle
CRICHTON, MARSHALL, (1931) <i>Assistant in Physical Education</i>	Hope Valley
DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	101 Gymnasium
GERARD, KENNETH, (1931) B.S. <i>Assistant in Physical Education</i>	Duke University
HAGLER, ELLIS, (1930) <i>Assistant in Physical Education</i>	7 Powe Apartments, Watts Street
HARDISON, MARY, R.N. <i>Resident Nurse</i>	West Campus Infirmary
PERSONS, WALTER, (1930) <i>Assistant in Physical Education</i>	Duke University
SAUNDERS, CORINNA, R.N. <i>Resident Nurse</i>	West Campus Infirmary
WAITE, ALEX, (1931) A.B. <i>Assistant in Physical Education</i>	2009 Club Boulevard
WARREN, ADDISON, (1931) A.B. <i>Assistant in Physical Education</i>	1500 Chapel Hill Street

WOMAN'S COLLEGE

CHATNEUFF, VIVIAN MOIZE, MRS., (1928) <i>Instructor in Physical Education</i>	306 Jackson Street
CIRCLE, ELIZABETH, (1932) A.B., M.S. <i>Instructor in Physical Education</i>	Bassett House
LEWIS, MARTHA MODENA, (1933) B.S. <i>Instructor in Physical Education</i>	Bassett House
RAMSEY, SARAH WRAY, R.N. <i>Resident Nurse</i>	East Campus Infirmary
VESTAL, MOZELLE, R.N. <i>Resident Nurse</i>	East Campus Infirmary
*WYCHE, ALMA VIRGINIA, (1930) A.B. <i>Instructor in Physical Education</i>	Bassett House

SOCIAL AND MUSICAL ACTIVITIES

WILSON, MARY GRACE, A.B. <i>Social Director of the Woman's College, Head of Brown House</i>	Brown House
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* On leave, 1933-1934.

- BARNES, JAMES FOSTER, MRS. 113 Watts Street
Director of the Woman's College Musical Clubs
- PEMBERTON, MARY NORCOTT, MRS. Kilgo Quadrangle, West Campus
Hostess, West Campus Union
- ANDERSON, ELIZABETH, A.B., A.M. Bassett House
*Assistant to the Dean of the Woman's College,
 Head of Bassett House*
- BARNES, EVELYN, A.B. Alsbaugh House
*Assistant Social Director of the Woman's College,
 Head of Alsbaugh House*
- CHAMBERLAIN, HOPE SUMMERELL, MRS., Litt.D. Pegram House
Head of Pegram House
- HARRELL, MARGARET GERTRUDE, A.B. Aycock House
Head of Aycock House
- KESTLER, MARY, A.B. Jarvis House
Head of Jarvis House
- LEFTWICH, GEORGE ELLETT 8 Powe Apartments, Watts Street
Director of the College Orchestras and Band
- TAYLOR, HARRIET, MRS. Giles House
Head of Giles House

SABBATICAL LEAVE

Sabbatical leave of absence to members of the Faculty is granted on the following conditions:

1. Every member of the general faculty shall be entitled to sabbatical leave after six years in the service of the University. Such leave may be taken for a full year at half salary or a half year at full salary.

2. In order to obtain a sabbatical leave written notice of the intention to take such a leave must be filed with the President of the University by November fifteenth of the academic year preceding the one in which the leave is to take effect.

3. If in exceptional cases it should develop that the granting of leave to an applicant during the year for which application was made would raise very serious difficulties detrimental to the best interests of the applicant's department or school, or to the interests of the institution as a whole; or because of questions concerning the applicant's period of service prior to the leave, the President shall appoint a committee which shall have power to decide the question of granting the sabbatical leave for the particular year under consideration. This committee shall consist of five members as follows: two members of the general faculty appointed yearly by the President, the Secretary of the University, the Dean of the school or college of which the applicant is a member, the chairman of the applicant's department, or should no such chairman exist another member of the applicant's department.

4. If this committee should decide against the granting of a sabbatical leave for the year for which the applicant applied, the applicant would be eligible for a sabbatical leave the following year or any year thereafter upon making application in due form as above.

5. After September 1, 1928, if a member of the faculty on becoming eligible for sabbatical leave does not for personal reasons apply for such leave, he does not forfeit the right to such leave, and he may count the additional years of service prior to his leave toward the six years of service necessary before he can apply for a subsequent leave. If in an exceptional case an applicant for personal reasons applies for a sabbatical leave to be effective in advance of his regular year and such leave is granted, he shall not be eligible for a subsequent leave until he has served six years plus the number of years by which this leave is advanced.

6. On recommendation of the committee after leave of absence has been granted it may be postponed for urgent reasons and under conditions to be determined by the committee.

7. All those cases which have occurred in the past or which may occur in the future in which leave of absence is granted under conditions where the absentee receives full pay for a half year or half pay or more for a full year's leave of absence shall be considered as regular sabbatical leave under these regulations.

8. These regulations shall become effective as of September 1, 1928. Sabbatical leaves under these regulations shall begin with the academic year 1929-30. The present regulations applying to the sabbatical leave shall be effective for such leaves through August 31, 1929.

GENERAL STATEMENT

Duke University as founded by James B. Duke in 1924 and as now constituted includes Trinity College, which goes back in its origins to 1835 and continues to exist as an important part of Duke University, the Woman's College, the Graduate School of Arts and Sciences, the School of Religion, the School of Law, the School of Medicine, the School of Nursing, and the Duke Forest. This Bulletin (Catalogue Edition) deals with these various units of the University and with the Summer Schools.

BRIEF HISTORICAL SKETCH

Duke University, in so far as the Trinity College unit is concerned, dates from 1835, when Union Institute was founded in Randolph County by the Methodists and Friends. Later the institution became Normal College in 1851, this being one of the first institutions in America for the training of teachers; in 1859 the name was changed to Trinity College, and so continued at the original site in Randolph County, now known as "Old Trinity," until 1892, when Trinity College was moved to Durham. The expanded institution continued its work at Durham as Trinity College until 1924, when it became Duke University.

The change in name resulted from a provision in the Indenture of Trust, executed December 11, 1924, by James Buchanan Duke, by virtue of which a fortune was placed by him at the disposal of humanity through provisions for hospitalization, church work in the rural districts, and education, the principal feature of the latter being the provision for Duke University. With the money made available through the Indenture of Trust, subsequent donations the following year and later a bequest in the will of Mr. Duke, ample provision was made for the expansion of the institution through the purchase of additional land, the erection of commodious buildings, the purchase of equipment and the acquisition of other things that go into the making of a university. Previous to the Indenture of Trust, Mr. Duke, himself, his father, Mr. Washington Duke, and his brother, Mr. Benjamin N. Duke, had made notable contributions to Trinity College. For many years members of the Duke family had been the chief benefactors of the institution.

Coincident with the change in name from Trinity College to Duke University, a notable expansion of facilities and opportunities along many lines began. During these past seven years a number of new schools and departments have been added; the faculty has been more than doubled and the student body of Duke University, including Trinity College for Men, the College for Women, and the Graduate and Professional Schools, has grown from about 1,000 to approximately 2,775 students. This does not include the enrollment of the Summer Schools.

CAMPUSES AND BUILDINGS

Duke University, consisting of the two liberal arts colleges and the graduate and professional schools, is located on two campuses of approximately 5,200 acres, the two being nearly a mile and a half apart. There are nearly fifty buildings, the architecture on the East, or Woman's College, campus being Georgian and that of the West, or University campus, of the Tudor Gothic type.

UNDERGRADUATE INSTRUCTION
(Trinity College and the Woman's College)

AND
MISCELLANEOUS INFORMATION

1933-1934
ANNOUNCEMENTS FOR 1934-1935

GENERAL STATEMENT

Duke University offers in Trinity College and the Woman's College three academic degrees for undergraduate work: bachelor of arts, bachelor of science, and bachelor of science in civil, electrical, or mechanical engineering. Nine groups of studies lead to the degree of bachelor of arts and two groups of studies lead to the degree of bachelor of science. These groups are designated by Roman numerals in the order in which they are described. For a description of these groups, see the section below in this catalogue under the topic, "Groups of Studies for the Degree of Bachelor of Arts."

TRINITY COLLEGE

Trinity College is the undergraduate college for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, and the School of Religion. The Department of Engineering is situated on the East Campus, apart from the Woman's College.

THE WOMAN'S COLLEGE OF DUKE UNIVERSITY

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

In September, 1930, the East Campus, a hundred and twenty acres in extent, with a well-equipped plant including twelve new buildings, was given to the women, thus offering the advantages of a separate college for women with its own distinct life and at the same time, through close association with the larger University life, preserving some of the best features of co-education. It is the aim of the College to make it possible for a woman to take all of her work, if she so wishes,

on the woman's campus. However, all courses in the University are open to qualified women students, and they may enter courses given on the West Campus which are not given on the East.

ADMISSION TO COLLEGE

GENERAL REGULATIONS

Admission to Trinity College and to the Woman's College of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability.

UNITS OF ADMISSION

The academic requirements for admission are defined in terms of units. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily. Credit for fifteen units is required for admission.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

UNITS		UNITS	
English	4	Botany	1
Latin	4	Zoölogy	1
Greek	3	General Biology	1
German	3	Physical Geography	1
French	3	General Science	1
Spanish	3	Agriculture	2
Mathematics	4	Mechanical Drawing	2
History and Civics	4	Woodwork, Forging, and Machine Work	2
Physics	1	Household Economics	2
Chemistry	1	Commercial Subjects	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the freshman class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least twelve of the fifteen units required for admission must come from the following:

	UNITS		UNITS
English	3 to 4	Science	1 to 4
Mathematics	$2\frac{1}{2}$ to 4	Foreign Language	2 to 6
History and Social Studies	1 to 4		

These twelve units must include three in English and two and one-half in mathematics. The units in mathematics must include algebra through quadratics and plane geometry.

The three additional units necessary to make the required fifteen may come from the list above or from the larger table of units of admission.

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: All ap-

plicants must have fulfilled the equivalent of the requirements for admission to the freshman class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester-hours of work approved for seniors, with an average grade of "C," is required of all candidates for the bachelor's degree.

Students enrolling for the bachelor's degree who transfer from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, are under all circumstances required to continue for at least one year in Trinity College and in the Woman's College the foreign language they present for minimum graduation requirements.

Students who have transferred from junior colleges or from four-year colleges not affiliated with the Southern Association, or a similar regional association, must present laboratory notebooks in all science courses that are offered for advanced credit.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the freshman class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of class work a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL REGULATIONS

The requirements for the degree of bachelor of arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty-two semester-hours, on which an average grade of "C" must be made, is required for the degree of bachelor of arts in all groups. In addition to these requirements all candidates for the bachelor of arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester-hours. In Trinity College the physical education requirement is completed by the end of the sophomore year; in the Woman's College, by the end of the junior year.

No student is permitted to take less than fourteen semester-hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester-hours) unless his average grade in the preceding semester is higher than "C"; or, under any conditions, to take more than nineteen semester-hours of work, exclusive of required physical education.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

Candidates for the degree of bachelor of arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester-hours; forestry, not to exceed eighteen semester-hours. The courses elected must be those approved by the Council on Undergraduate Instruction as appropriate for the bachelor of arts degree and

published in the Bulletin of Undergraduate Instruction. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No senior may take for graduation credit any course primarily open to freshmen, and no junior may take for graduation credit more than one course primarily open to freshmen. A list of these courses is published in the BULLETIN under *Courses of Instruction*.

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of bachelor of arts in Duke University may be done in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English Composition*	6
Natural Science**	8
Economics, History, or Political Science***	6
Foreign Language****	12-18
Religion	6

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the freshman year, and all of them, except foreign language and religion, by the end of the sophomore year.

* This requirement is normally met by the completion of English 1-2. However, a freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for English 1-2.

** A student who does not present for entrance an acceptable unit of science must take sixteen semester-hours of science for graduation.

*** A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

**** A student must pursue a language through the equivalent of the third college year, and he must gain at least twelve hours of credit in this language in college. Thus, a freshman able to enter the second college year of a language he has pursued in secondary school may complete his language requirement in two years; and if he is able to enter the third year of that language, he must still continue it for two years in order to gain his twelve hours. If he desires to study a language in which he does not present two entrance units, he enters the first year of the language and completes his requirement in three years. However, if a freshman presents for entrance four units of Latin, he may satisfy his language requirement by taking two years of Greek or two years of Latin.

The courses primarily open to freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under *Courses of Instruction*.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

GROUP I

GENERAL

This group is based on the traditional requirement for the degree of bachelor of arts. Students who choose it are required to complete the minimum uniform requirements for graduation; forty-two semester-hours in a division of concentration; eighteen semester-hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation. The departments of instructions, for purposes of concentration, are grouped in three divisions:

Humanities: English, Fine Arts, German, Greek, Latin, Philosophy, Romance Languages.

Social Science and History: Economics and Political Science, Education, History, Religion, Sociology.

Mathematics, Psychology, and Natural Science: Biology, Chemistry, Mathematics, Physics, Psychology.

The forty-two semester-hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester-hours in a major department and eighteen to twenty-four semester-hours in at least two other departments of the same division, with a minimum of six semester-hours in each department. If only eighteen hours of work is taken in the major department, this work must not include any course primarily open to freshmen.

For purposes of concentration certain courses listed in the same department are reckoned as being in different departments; namely, courses in French and Spanish. Further, a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his restricted elective in the same division.

The eighteen semester-hours of restricted electives must be

taken in two divisions not chosen for concentration, with a minimum of six semester-hours each in any two departments of these divisions.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives. These hours may vary from seven to twenty-four, but with most students they will probably be fifteen to twenty-one. For this work the student may elect any courses in which he is interested, provided he may not elect more than eight semester-hours in his major department and provided he is qualified for admission to them.

On or before May 1 of each year every freshman in the general group should designate his division of concentration and his major department, and arrange under the guidance of an instructor in the major department his program of studies for the following year. The student is at liberty to choose for his counsellor any instructor in his major department who gives advanced courses. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will re-check their courses in their divisions of concentration each year with representatives of their major departments.

GROUP II

BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Economics A-B, Mathematics 3-4.

Sophomore Year: Economics 51-52 and 57-58.

Junior Year: Economics 143-144, 105-158 (or 171-172), Political Science 101-102, Psychology 101.

Senior Year: Economics 203-236, six additional hours of Economics approved for seniors, Business Law 181-182.

At least twelve semester-hours of the electives must be

chosen from subjects other than that of Economics and Business Administration.

All elective work in Economics or Political Science must be approved in writing by some instructor offering advanced work in the department.

GROUP III

RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Religion 1-2.

Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 101-102, English Literature (6 hours).

Junior Year: Religion (6 hours), Psychology* (6 hours).

Senior Year: Religion** (12 hours), Sociology (6 hours), Philosophy (6 hours).

GROUP IV

PRE-MEDICAL

This group is designed for students who intend to pursue the study of medicine after graduation from college. The required work consists of the minimum uniform requirements and the courses specified below. German, including course 107-108, is the required foreign language in this group. Any one of the elementary courses in science specified below will fulfill the minimum uniform requirement in science.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Chemistry 1-2, Mathematics 3-4, Zoölogy 1-2.

Sophomore Year: Chemistry 61-70 or 151-152, Physics 3-4, Zoölogy (4 hours).

Junior Year: Chemistry 151-152 (if not taken in the sophomore year), Zoölogy (4 hours recommended).

Senior Year: Laboratory Science (14 hours), Psychology (6 hours).

* Three semester-hours must be in Psychology 101.

** Not more than six semester-hours of electives may be taken in the Department of Religion.

GROUP V

COLLEGE TEACHING

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

French and German through the second year of college work. Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester-hours of work in the major subject, exclusive of work in the subject offered primarily for freshmen; twelve semester-hours of work in related subjects approved by the student's departmental adviser; twelve semester-hours in education, philosophy and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty-two semester-hours necessary for graduation.

At least twelve semester-hours of the work taken in the senior year must be in courses open only to seniors and graduates.

GROUP VI

PUBLIC SCHOOL TEACHING

This group is designed for two classes of students: (A) those who plan to teach in secondary schools; (B) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester-hours in education, of which three semester-hours may be in general psychology. The work in education must include three semester-hours in directed observation

and practice teaching, three semester-hours in educational psychology, and three semester-hours in secondary education.

Six semester-hours, three each, in materials and methods, in two fields of high school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below :

English, twenty-four semester-hours, to include the six of required work in composition, six in English literature, and six in American literature.

French, eighteen semester-hours, based on the usual two units for admission.

German, Spanish, and Greek, the same requirements as for French.

History, eighteen semester-hours, including six each in American, ancient and medieval, and modern European history, and six semester-hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science.

Latin, eighteen semester-hours, based on the traditional four units for admission.

Mathematics, fifteen semester-hours.

Physical Education, twelve semester-hours.

Science, thirty semester-hours, including elementary courses in biology, chemistry, physics, and geography or geology.

A student may prepare to teach only one high school subject by taking a major of twenty-four semester-hours in that subject (Physical Education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen.

Elective work sufficient to complete the one hundred and twenty-two semester-hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the division of social science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are fur-

ther warned to take their professional courses in the order outlined by the Department of Education, reserving for their senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester-hours of the work in the senior year must be in courses open only to seniors or to seniors and graduates.

CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the social science division as the division of concentration. In addition to the general requirements of Group I, the following specific requirements must be met :

	S.H.
English	3 or 6
American History and Government	6 or 9
Geography	6
Physical Education and Hygiene	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his freshman year and advise with the department as to an appropriate course for the spring semester. In all other particulars his course follows the general group for the first year.

The following arrangement of courses is recommended for freshmen entering the teaching group. The work for the following years will be arranged by the Department of Education.

FRESHMAN YEAR

	S.H.
English	6
Foreign Language	6
Science	8
History or elective*	6
Education or elective**	6

* History is an alternate with economics in the minimum requirements when the student presents two units of history for admission.

** Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A may follow the same plan or take any of the electives authorized for the general group.

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, History 91-92.

Junior Year: Political Science 101-102, English 151-152 (3 or 6 hours), Psychology (6 hours).

Senior Year: Economics (6 hours from courses approved for seniors), History 123-124.

The electives in this group should be taken so as to conform as nearly as possible to the general plan of concentration, with economics, political science, philosophy, psychology, history, and law listed as preferred subjects. However, not more than eighteen semester-hours, in addition to required work, may be taken in any one of these subjects.

At least twelve semester-hours of the electives in the senior year must be senior-graduate courses.

GROUP VIII

SOCIAL SERVICE

This group is designed for students who purpose after graduation to pursue studies in order to engage in practical social welfare work; such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoölogy is recommended for the required course in science.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, Sociology (6 hours).

Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 101, Sociology (6 hours).

Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen from history, economics, political science, education, sociology, philosophy, psychology, and religion, but not more than thirty-six hours may be taken in any one department.

The subjects required for the junior and senior years may be transposed according to the courses available in any particular year.

GROUP IX

HONORS

The purpose of this group is to provide superior students with the opportunity for intensive and independent study in particular branches of knowledge. The basis of admission to this group is recommendation after the freshman or sophomore year. A student wishing to do honors work normally enters the general group in the freshman year. At the end of the year (in some departments at the end of the sophomore year), he may be recommended as being able to do honors work in a particular department. The student may then choose to pursue the honors course in the department recommending him and to qualify to graduate in the honors group.

The required work in the honors group consists of the minimum uniform requirements, fifty-seven semester-hours of work in the honors and related departments, and elective work sufficient to complete the semester-hours necessary for graduation in departments other than the honors department.

For a description of honors courses, together with a statement of the plan of admission to them, the student should consult the BULLETIN of *Honors Courses in Duke University*.

GROUP X

ACADEMIC-LAW COMBINATION

A student in either of the liberal arts colleges of Duke University may complete in six years a combined course wherein he will have received his academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the faculty of the arts colleges:

Students who have completed with not less than a C average at least 96 semester-hours of undergraduate work in the pre-legal group of studies in Duke University may on the approval of the Dean of the Undergraduate College transfer to this Law School and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

GENERAL REGULATIONS

The general regulations governing the requirements for the degree of bachelor of science are the same as those for the degree of bachelor of arts.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

No senior may take for graduation credit any course primarily open to freshmen; and no junior may take for graduation credit more than one course primarily open to freshmen. A list of these courses is published in the *BULLETIN* under *Courses of Instruction*.

Not more than one course of six or eight semester-hours of credit in final fulfillment of the requirements for the degree of bachelor of science in Duke University may be done in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English Composition*	6
Natural Science**	16
Economics, History, or Political Science***	6
French**** (second college year)	6-12
German**** (second college year)	6-12
Mathematics	6
Religion	6

* This requirement is normally met by the completion of English 1-2. However, a freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for English 1-2. If a student fails to pass English 1-2 with a grade of C or better, he must complete three additional semester-hours of composition.

** All candidates for the degree of bachelor of science must complete eight semester-hours in each of two elementary sciences.

*** A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise, he may fulfill this requirement in any one of the three subjects.

**** All candidates for the degree of bachelor of science must complete at least the second year of both college French and college German or their equivalent as determined by examination.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the freshman year, and all of them, except foreign language and religion, by the end of the sophomore year.

The courses primarily open to freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under *Courses of Instruction*.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

GROUP I

GENERAL

Students who choose this group are required to complete the minimum uniform requirements for graduation; forty-eight semester-hours in the division of mathematics, psychology, and natural science, of which not less than twenty-four nor more than thirty-two semester-hours may be taken in a major department; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty-two semester-hours necessary for graduation.

The student's major work must be in botany, chemistry, forestry, mathematics, physics, psychology, or zoölogy.

Not more than eight semester-hours of free electives may be taken in the major department.

On or before May 1 of each year every freshman in the general group should designate his major department in the division and arrange under the guidance of an instructor in the major department his program of studies for the following year. The student is at liberty to choose for his counsellor any instructor in his major department who gives advanced courses. He should obtain the instructor's written approval of all courses selected in the division before submitting his program to the Dean for final action. In like manner, upperclassmen will check their courses in the division each year with representatives of their major department.

GROUP II

PRE-FORESTRY

This group of studies is designed for students who enter college with the purpose of going into forestry as their profession after graduation. The first three years are given very largely to fundamental and auxiliary subjects basic to a proper understanding of the more highly specialized work in technical forestry, which requires two or three additional years, depending upon the student's choice and the quality and amount of work that he does.

Students who are planning to become foresters and who have satisfactorily completed the work of the freshmen, sophomore, and junior years of the pre-forestry curriculum will be required to take the summer field work consisting of six weeks of surveying and six weeks of forestry before they can continue in certain advanced forestry courses. The required work consists of the minimum uniform requirements and the courses specified below. Specified courses in elementary science and in mathematics may be taken also in fulfillment of the minimum uniform requirements.

The following arrangement of specified courses is recommended for the students electing this group:

Freshman Year: Botany 1-2, Engineering Drawing 1-2, Physics 1-2.

Sophomore Year: Botany 103, Botany 52, English Composition or Technical Writing (3 hours), Geology (or elective), Mathematics through trigonometry (6 hours), Chemistry 1-2.

Junior Year: Botany 151, Botany 156, Forestry 1, Forestry 154. The minimum uniform requirement in religion and history or economics and political science is recommended for the junior year.

Summer Field Work, 12 weeks (to include six semester-hours of Surveying 110-111 and six semester-hours of Forest Surveying and Forest Mensuration) is prerequisite to certain advanced courses in forestry. The work in Forest Surveying and Forest Mensuration will probably not be offered before the summer of 1935.

Senior Year: The work of the senior year will be elective, mainly in forestry.

All elective courses should be selected in consultation with the Forestry Staff.

Students entering without any foreign language must take the second year of one foreign language and the first year of the other foreign language in the sophomore year.

If the student fails to present two entrance units in history, he must take history as his required subject; otherwise, he should take economics.

Qualified students who desire to obtain professional training in forestry in one additional year of graduate study are advised to consult the Forestry Staff.

GROUP III

HONORS

The required work in this group consists of the minimum uniform requirements, fifty-seven semester-hours of work in the honors and related departments, and elective work sufficient to complete the semester-hours necessary for graduation in departments other than the honors department.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of bachelor of science in civil, electrical, or mechanical engineering are designed for students who are preparing for civil, electrical, or mechanical engineering, as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E.

Each of these degrees requires one hundred and thirty-eight semester-hours of work of which one hundred and twenty-two must be completed with an average grade of "C." Six semester-hours of electives must be taken in the department of economics and political science and six semester-hours in religion. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students in engineering should note that immediately after the final freshmen examinations in May or June they are required to attend a three-weeks' course in plane surveying given under the direction of the Summer School.

ADMISSION TO ENGINEERING COURSES

An applicant for admission to the freshman class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one-fourth of the annual amount of work regularly required in the school.

At least nine and one-half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
German or French or Latin	2 units
Physics or Chemistry	1 unit
History	1 unit
*Algebra	1½ or 2 units
Plane Geometry	1 unit

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

*Algebra (College Board "B")	½ unit
Solid Geometry	½ unit
*Trigonometry	½ unit
†German or French or Latin or Spanish or Greek	1 to 4 units
History or Civics (not the required unit)	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	1 to 2 units

For other elective units, see the list of elective units acceptable for the A.B. degree.

Due to lack of uniformity in various states as to the subject matter covered by the various units in algebra and the consequent variation in the work done by freshmen in advanced algebra, it has become necessary to adopt the College Entrance Examination Board's definition of these units and to require each prospective student to take a placement examination in algebra during Freshman Week. Students who validate by examination one and one-half units (algebra through quadratics, binominal theorem, and progressions) which are offered for admission or two units (algebra through quadratics, binominal theorem, progressions, simultaneous equations in three unknowns, graphs, exponents and radicals, and logarithms) will be placed in Mathematics 9-10 (5 hours a week, each semester). Those who validate by examination only one unit of the offering in algebra (*i.e.*, to quadratics) will be placed in Mathematics

* Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

11-12 (6 hours a week, each semester). Those who do not validate by examination at least one unit of their offering in algebra will not be allowed to pursue a course in engineering. Certificates from the College Entrance Examination Board (431 W. 117th Street, New York) will be accepted in lieu of the placement examination. Prospective students may gain a general idea of the type of examination to be given here from old examinations of the College Board published by Ginn and Company, New York.

**GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF
SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL
ENGINEERING**

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
Chemistry 1	4	Chemistry 2	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 2-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 55	4	Mathematics 100	4
Physics 5	5	Physics 6	5
Surveying 11	2	Mechanics 8	5
Highways 15	3	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		17
	17		

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Curves and Earthwork 113	2	Curves and Earthwork 114	2
Structures 131	4	Structures 132	4
Highways 117	2	Materials 118	2
Engineering, Elective	3	Engineering, Elective	3
Elective	3	Elective	3
	18		18

Senior Year

Hydraulic Eng. 123	4	Hydraulic Eng. 124	4
Concrete 133	3	Concrete 134	3
Railroads 119	3	Railroads 120	2
Seminar 137	1	Astronomy 112	2
Electives	6	Seminar 138	1
	—	Electives	6
	17		—
			18

GROUP II

ELECTRICAL ENGINEERING

Freshman Year

FIRST SEMESTER

SECOND SEMESTER

	S.H.		S.H.
Chemistry 1	4	Chemistry 2	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 4-6	3
Physical Education	—	Physical Education	—
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Physics 61	5	Physics 62	5
Mathematics 55	4	Mathematics 100	4
Steam Engineering 85	2	Mechanics 8	5
Mechanism 81	2	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	—
Physical Education	—		17
	16		

Junior Year

Prim. of Elec. Eng. 151	4	Prin. of Elec. Eng. 152	4
Strength of Materials 107	4	Hydraulics 108	4
Differ. Equations 231	3	Elec. Measurements 102	3
Thermodynamics 187	3	Thermodynamics 188	3
M. E. Lab. 199	1	M. E. Lab. 200	1
Elective	3	Elective	3
	—		—
	18		18

Senior Year

Adv. D. C. Mach. 155	3	Alt. Cur. Machinery 258	6
Adv. Alter. Currents 257	3	Elec. Power Stations 158	3
Elec. Power Transmission 159 ..	3	High. Freq. Currents 262	3
High. Freq. Currents 261	3	Electives	6
Electives	6		
	<hr/>		<hr/>
	18		18

GROUP III**MECHANICAL ENGINEERING***Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Chemistry 1	4	Chemistry 1	4
English	3	English	3
Mathematics 9 or 11	5	Mathematics 10 or 12	5
Drawing 1-5	3	Drawing 4-6	3
Physical Education		Physical Education	
	<hr/>		<hr/>
	15		15

Three weeks of Surveying 10 in summer. Credit, 3 semester-hours.

Sophomore Year

Mathematics 55	4	Mathematics 100	4
Physics 61	5	Physics 62	5
Mechanism 81	2	Mechanics 8	5
Steam Engineering 85	2	Constructive Processes 80	1
Constructive Processes 79	1	Elective (Restricted)	3
Elective (Restricted)	3	Physical Education	
Physical Education			<hr/>
	<hr/>		18
	17		

Junior Year

Strength of Materials 107	4	Hydraulics 108	4
Machine Design 183	3	Machine Design 184	3
Thermodynamics 187	3	Thermodynamics 188	3
M. E. Laboratory 189	2	M. E. Laboratory 190	2
Electrical Engineering 153	3	Electrical Engineering 154	3
Elective	3	Elective	3
	<hr/>		<hr/>
	18		18

Senior Year

Power Plants 191	3	Power Plants 192	3
M. E. Laboratory 193	2	M. E. Laboratory 194	2
Heating and Ventilation 195 ...	3	Refrigeration 196	3
Inter. Combust. Engines 197 ...	3	Aeronautics 198	3
Electives	6	Electives	6
	17		17

COURSES OF INSTRUCTION

Note: *Courses primarily for freshmen are numbered from 1 to 49, those primarily for sophomores are numbered from 50 to 99; those primarily for juniors and seniors from 100 to 199; those primarily for seniors and graduates from 200 to 299. The amount of credit for each course is given in semester-hours.*

Odd-numbered courses are offered in the fall semester and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.

The description of courses in this General Bulletin is condensed. A full description of courses is given in the Bulletin of Undergraduate Instruction. Prospective students are advised to consult the latter bulletin.

COURSES OPEN PRIMARILY TO FRESHMEN

Botany 1-2	Latin 1-2, 3, 4, 15, 16, 41, 42
Chemistry 1-2	Mathematics 1-2, 3-4, 7, 9-10, 11-12, 16
Economics A	Physics 1-2, 3-4, 5-6, 7-8, 9-10
Education 8, 10	Political Science, 21-22
English 1-2	Religion 1-2
Fine Arts 1-2	Spanish 1-2, 3-4
French 1-2, 3-4	Zoölogy 1-2
German 1-2, 3-4	
History 1-2	

BOTANY

PROFESSORS BLOMQUIST, KORSTIAN, AND WOLF; ASSISTANT PROFESSORS
ADDOMS AND MAUGHAN; MESSRS. KRAMER, OOSTING, AND PERRY;
AND ASSISTANTS

1. General Botany.—Three two-hour periods. 4 s.h.

STAFF

2. General Botany.—Prerequisite, Botany 1. 4 s.h.

STAFF

51. Growth.—Prerequisite, one year of botany. 4 s.h.

ASSISTANT PROFESSOR ADDOMS

52. Local Flora.—Prerequisite, one year of botany. 4 s.h.

PROFESSOR BLOMQUIST

53. General Bacteriology.—Prerequisite, one year of botany or zoölogy or equivalent. 4 s.h.

PROFESSOR WOLF

[Not offered in second semester 1934-1935]

103. Morphology and Anatomy of Seed Plants.— Prerequisite, one year of botany. 4 s.h.

DR. OOSTING

151. Plant Physiology.—Prerequisite, one year of botany; one year of chemistry recommended. 4 s.h.

DR. KRAMER

156. Plant Ecology.—Prerequisites, Botany 1, 2, and 52, or equivalents. 4 s.h.

DR. OOSTING

202. Genetics.—Prerequisites, one year of botany or zoölogy, or equivalent, and college algebra. 4 s.h.

DR. PERRY

211. Structure and Classification of Algae.— Prerequisite, two years of botany. 4 s.h.

PROFESSOR BLOMQUIST

212. Structure and Classification of Bryophytes.—Prerequisite, two years of botany. 4 s.h.

PROFESSOR BLOMQUIST

213. Structure and Classification of Pteridophytes.—Prerequisite, two years of botany. 4 s.h.

PROFESSOR BLOMQUIST

[Not offered in 1934-1935]

216. Botanical Microtechnique.—Prerequisite, three semesters of botany. 4 s.h.

PROFESSOR BLOMQUIST

221. Structure and Classification of Fungi.—Offered in alternate years. Prerequisite, two years of botany. 4 s.h.

PROFESSOR WOLF

223. Diseases of Plants.— Offered in alternate years. Prerequisites, Botany 1, 2, and 52. 4 s.h.

PROFESSOR WOLF

[Not offered in 1934-1935]

225-226. Special Problems.—Credits to be arranged.

STAFF

251. Methods in Plant Physiology.—Prerequisite, one course in plant physiology. 4 s.h.

DR. KRAMER

252. Chemical Plant Physiology.—Prerequisites, one year of chemistry and one course in plant physiology. Organic chemistry recommended. 4 s.h.

ASSISTANT PROFESSOR ADDOMS AND DR. KRAMER

256. **Field Ecology.**—Prerequisites, Botany 1, 2, and 52, or equivalent. 4 s.h.

DR. OOSTING

FOREST BOTANY

154. **Forest Tree Characteristics and Identification.**—Prerequisite, one year of botany. 4 s.h.

PROFESSOR KORSTIAN

224. **Forest Pathology.**—Offered in alternate years. Prerequisites, Botany 1, 2, and 154. 4 s. h.

PROFESSOR WOLF

254. **Dendrology.**—Prerequisite, two years of botany. 4 s.h.

PROFESSOR KORSTIAN

CHEMISTRY

PROFESSORS GROSS AND WILSON; ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW,† MISS BROWN, MESSRS. CAMPBELL,* HAUSER, HILL AND SAYLOR; AND ASSISTANTS

1-2. **General Inorganic Chemistry.**—8 s.h.

PROFESSOR WILSON AND DR. HILL WITH PROFESSOR GROSS, DRs. BROWN, CAMPBELL, HAUSER, AND SAYLOR; MISS GORMAN; MESSRS. HOBBS, JACOKES, LEMAISTRE, MILLER, RINTELEN, AND WHITENFISH

61. **Qualitative Analysis.**—Prerequisites, Chemistry 1-2 and college algebra. 4 s.h.

ASSOCIATE PROFESSOR VOSBURGH, MESSRS. CAGLE, JACOKES, RINTELEN AND SHANKLE

70. **Quantitative Analysis.**—Prerequisite, Chemistry 61. Analytic geometry and college physics are desirable but not required. 4 s.h.

ASSOCIATE PROFESSOR VOSBURGH; MESSRS. CAGLE, JACOKES, RINTELEN, AND SHANKLE

81. **Household Chemistry.**—(If called for.) 3 s.h.

PROFESSOR WILSON

142. **Food and Nutrition.**—3 s.h.

PROFESSOR WILSON

151-152. **Organic Chemistry.**—Prerequisites, Chemistry 61 and 70 unless specifically excused by the Department. Course 151 is prerequisite for 152. 8 s.h.

ASSISTANT PROFESSOR BIGELOW; DRs. BROWN, CAMPBELL, AND HAUSER; MESSRS. LEMAISTRE AND MILLER

† On leave as Exchange Professor, 1933-4.

* Exchange Lecturer 1933-4.

215-216. Advanced Inorganic Chemistry.—Prerequisites, Chemistry 1-2, 61, 70, and 151-152. Chemistry 261-262, advanced physics, and ability to read German are desirable. **6 s.h.**

ASSOCIATE PROFESSOR VOSBURGH AND DR. HILL

231. Instrumental Analysis.—Prerequisites, Chemistry 70 and 261-262. Laboratory physics is desirable. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH AND DR. SAYLOR

232. Advanced Quantitative Analysis.—Prerequisites, Chemistry 70 and 151-152. Chemistry 261-261 is desirable. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, AND DR. BROWN

241. Physiological Chemistry.—Prerequisites, Chemistry 70 and 151-152. Course 261-262 is desirable though not required. **4 s.h.**

PROFESSOR WILSON

242. Metabolism.—4 s.h.

PROFESSOR WILSON AND MR. LEMAISTRE

251-252. Intermediate Organic Chemistry.—6 s.h.

ASSISTANT PROFESSOR BIGELOW

253-254. Advanced Organic Chemistry.—Prerequisites, Chemistry 151-152 or equivalent and a reading knowledge of German. **8 s.h.**

ASSISTANT PROFESSOR BIGELOW; DRs. BROWN, CAMPBELL, AND HAUSER

260. Colloid Chemistry.—Prerequisites, Chemistry 151-152 and 261. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH AND DR. SAYLOR

261-262. Physical and Electro Chemistry.—Prerequisites, Chemistry 70, 151-152, college physics, and college algebra. Calculus is desirable but is not required. **6 s.h.**

PROFESSOR GROSS, AND DR. SAYLOR

271. Introduction to Research.—1 s.h.

PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, AND DR. CAMPBELL

273-274. Seminar.—2 s.h.

DR. HILL WITH PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, DRs. BROWN, CAMPBELL, HAUSER, AND SAYLOR

275-276. Research.—3 or 6 s.h.

PROFESSORS GROSS AND WILSON; ASSOCIATE PROFESSOR VOSBURGH; ASSISTANT PROFESSOR BIGELOW; DRs. BROWN, HAUSER, HILL, AND SAYLOR

280. Teaching of Chemistry.—2 or 3 s.h.

(The amount of credit depends on whether 3 or 6 hours are spent in the laboratory in addition to the conference hour.)

PROFESSOR WILSON

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSORS GLASSON, HAMILTON, AND HOOVER; ASSOCIATE PROFESSOR TROXELL;* ASSISTANT PROFESSORS LONDON, ROBERTS, SHIELDS, AND TOWE;
MESSRS. BLACK, HARVILL, KEECH, KOONTZ, LEMERT, NICHOL,
RATCHFORD, SMITH, AND WALLACE

This department offers instruction in general economics, business administration, and accounting. The general course in economics affords a survey of the whole field of economic thought and lays the foundation for specialized study in various branches of the subject. Advanced courses are offered in theoretical and applied economics.

A special group of studies is provided for candidates for the bachelor of arts degree who are definitely looking forward to a business career at the conclusion of their college course. While this group is mainly composed of liberal rather than technical studies, it gives opportunity in the junior and senior years for specialized study in such subjects as money and banking, public and corporation finance, investments, railroad and water transportation, marketing, insurance, industrial management, accounting, and business statistics.

A-B. Modern Industry: Economic Geography.—6 s.h.

ASSISTANT PROFESSOR LONDON; DRs. LEMERT AND NICHOL

51-52. Principles of Economics.—Old number 1. 6 s.h.

PROFESSOR HOOVER; ASSOCIATE PROFESSOR TROXELL; ASSISTANT PROFESSOR ROBERTS; DRs. HARVILL, NICHOL, AND SMITH;
MESSRS. KEECH, KOONTZ, AND WALLACE

103. Transportation.—3 s.h.

ASSISTANT PROFESSOR LONDON

105. Industrial Management and Business Forecasting.—3 s.h.

ASSOCIATE PROFESSOR TROXELL AND MR. KOONTZ

115. Economic Geography; Teachers' Course.—3 s.h.

DR. LEMERT

116. Economic Geography and Industrial Organization.—Prerequisite, course 115. 3 s.h.

DR. LEMERT

118. Economic Geography of the Southern States.—Prerequisites, Economics A, Economic Geography 115, or with the consent of the instructor. 3 s.h.

DR. LEMERT

* Resigned November 1, 1933.

137-138. Business Statistics.—6 s.h.

DR. NICHOL

Economics 143-144. Corporation Finance and Investment.—Prerequisite, course 51-52. 6 s.h.

DRS. RATCHFORD, SMITH, AND HARVILL

158. Insurance.—3 s.h.

MR. KOONTZ

168. Marketing.—3 s.h.

ASSISTANT PROFESSOR LONDON

181-182. Business Law.—Old number 178. 6 s.h.

ASSISTANT PROFESSOR TOWE

203. Money and Banking.—3 s.h.

PROFESSOR GLASSON AND DR. RATCHFORD

211-212. History of Political Economy.—Old number 210. 6 s.h.

PROFESSOR HAMILTON

213-214. Advanced Economic Theory.—Old number 212. 6 s.h.

PROFESSOR HOOVER

215. Economic Systems.—Old number 214. 3 s.h.

PROFESSOR HOOVER

216. Economic Functions of the State.—Old number 215. 3 s.h.

PROFESSOR HOOVER

217. Economic Stabilization.—3 s.h.

[Not offered in 1934-1935]

218. Population Problems and the Standard of Living.—3 s.h.

[Not offered in 1934-1935]

231. The Economic History of England.—3 s.h.

ASSISTANT PROFESSOR ROBERTS

232. Economic History of the United States.—3 s.h.

ASSISTANT PROFESSOR ROBERTS

236. Public Finance.—3 s.h.

PROFESSOR GLASSON AND DR. RATCHFORD

237. American Federal Finance.—3 s.h.

[Not offered in 1934-1935]

253. Trade Unionism and Labor Problems.—3 s.h.

ASSOCIATE PROFESSOR TROXELL AND MR. KOONTZ

254. Industrial Relations.—Course 253 is a prerequisite. Old number 255. 3 s.h.

MR. KOONTZ

[Not offered in 1934-1935]

255. Labor Administration.—Old number 256. 3 s.h.

[Not offered in 1934-1935]

256. Labor Legislation.—Old number 257. 3 s.h.

265. International Trade and Tariff Policies.—3 s.h.

ASSISTANT PROFESSOR ROBERTS

266. International Finance.—3 s.h.

ASSISTANT PROFESSOR ROBERTS

267-268. Business History.—Old number 267. 4 s.h.

PROFESSOR HAMILTON

ACCOUNTANCY

57-58. First-Year Accounting.—Old number 7. 6 s.h.

ASSISTANT PROFESSOR SHIELDS; MESSRS. BLACK, KEECH,
WHITMAN, GARNER, AND HARDIN

171-172. Second-Year Accounting.—6 s.h.

ASSISTANT PROFESSOR SHIELDS

173-174. Auditing, Theory and Practice.—Old number 173. 6 s.h.

MR. BLACK

175-176. C. P. A. Review.—Old number 174. 6 s.h.

MR. BLACK

[Not offered in 1934-1935]

177. Income-Tax Accounting.—Old number 176. 3 s.h.

ASSISTANT PROFESSOR SHIELDS

178. Modern Accounting Systems.—Old number 177. 3 s.h.

ASSISTANT PROFESSOR SHIELDS

275-276. Advanced Industrial Accounting and Management.—Old number 275. 6 s.h.

Courses 57-58 and 105 are ordinarily prerequisites for this course.

MR. BLACK

EDUCATION

PROFESSORS HOLTON, BROWNELL, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR CARR; ASSISTANT PROFESSOR EASLEY; MRS. SMITH, MESSRS. GODARD AND PULLIAS; AND ASSISTANTS

The purposes of the Department of Education are: (1) to develop greater appreciation of the value of the school as an institution; (2) to

provide a sound basis for education through a study of the individual, the process of his growth, and the nature of learning; (3) to acquaint the student with the status of elementary and secondary education of the present day, and to equip him for service in these fields as superintendent, supervisor, principal, or teacher.

Courses in the department are designed for three groups of students: (1) students with teaching experience or others who have definitely chosen teaching as their life work; (2) juniors and seniors who desire to study the school as an outstanding social institution; and (3) teachers whose work will permit them to enroll in Saturday and afternoon classes.

1. Orientation Course in Study and Study Habits.—3 s.h.

ASSISTANT PROFESSOR EASLEY, MESSRS. GODARD AND PULLIAS

4. Introductory Course in History of Education.—3 s.h.

PROFESSOR HOLTON AND MR. GODARD

8. The Learning Process.—3 s.h.

ASSISTANT PROFESSOR EASLEY AND
MESSRS. GODARD AND PULLIAS

54. Introductory Course in History of Education.—3 s.h.

PROFESSOR HOLTON

58. The Learning Process.—3 s.h.

PROFESSOR BROWNELL AND ASSISTANT PROFESSOR EASLEY

68. Mental Hygiene of the School Child.—3 s.h.

ASSISTANT PROFESSOR EASLEY

83. Current Trends in American Public-School Organization.—3 s.h.

PROFESSOR PROCTOR

101. Introduction to Teaching.—Old number 61. 3 s.h.

ASSOCIATE PROFESSOR CARR

103. School Organization and Administration for the Classroom Teacher.—3 s.h.

PROFESSOR PROCTOR

104. History of Education in the United States.—3 s.h.

PROFESSOR HOLTON

105. Introduction to Educational Sociology.—3 s.h.

PROFESSOR CHILDS

106. Principles of Secondary Education.—3 s.h.

PROFESSOR CHILDS

110. Introduction to Secondary-School Teaching.—3 s.h.

PROFESSOR PROCTOR

[Not offered in 1934-1935]

112. Methods of Teaching and Presentation of Subject-Matter in the Primary School.—4 s.h.

ASSOCIATE PROFESSOR CARR

A. Public-School Drawing.—*For juniors and seniors. First semester. (3 points professional credit only.)*

MRS. MASON

[Not offered in 1934-1935]

B. Industrial Art in the Public School.—*For juniors and seniors. First semester. (3 points professional credit only.)*

MRS. MASON

C. Public-School Music.—*For juniors and seniors. Second semester. (3 points professional credit only.)*

MRS. TWADDELL

116. Junior and Senior High School Methods: Observation and Practice Teaching.—3 s.h.

PROFESSOR CHILDS AND MR. HATHORN

118. Educational Implications of Genetic Psychology.—3 s.h.

PROFESSOR BROWNELL

[Not offered in 1934-1935]

122. Methods of Teaching and Presentation of Subject-Matter in the Grammar Grades.—Prerequisite, course 101. *For seniors only. 4 s.h.*

ASSOCIATE PROFESSOR CARR

131. Observation and Practice-Teaching.—Open to seniors who are enrolled in course 101. 1 s.h.

ASSOCIATE PROFESSOR CARR

136. The Teaching of High-School English.—Identical with English 142. *For seniors only. 3 s.h.*

ASSISTANT PROFESSOR A. C. JORDAN

142. Children's Literature.—3 s.h.

ASSOCIATE PROFESSOR CARR

155. The Teaching of Secondary-School Latin.—Identical with Latin 109. *For seniors only. 3 s.h.*

PROFESSOR ROSBOROUGH OR PROFESSOR ANDERSON

170. The Social and Economic Position of Women.—2 s.h.

MRS. SMITH

176. Materials and Methods in High-School Science.—*For seniors only. 3 s.h.*

PROFESSOR CHILDS

[Not offered in 1934-1935]

200. Introduction to the Philosophy of Education.—3 s.h.

PROFESSOR HOLTON

206. Sociological Foundations of the Secondary-School Subjects.—Prerequisite, six semester-hours in education, including course 105. Old number 205. **3 s.h.**

PROFESSOR CHILDS

207. Technique of Teaching.—Prerequisite, teaching experience or six semester-hours of work in materials and methods. **3 s.h.**

ASSOCIATE PROFESSOR CARR

208. Mental Tests and Applications.—Prerequisite, course 258 or six semester-hours of other work in educational psychology or psychology. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

209. Statistical Methods Applied to Education.—**3 s.h.**

ASSISTANT PROFESSOR EASLEY

212. Psychology of the Elementary School Subjects.—**3 s.h.**

ASSOCIATE PROFESSOR CARR

214. History of Education in the United States.—**3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

215. Principles of Educational and Vocational Guidance.—Prerequisite, six semester-hours in educational sociology, preferably courses 105 and 206. **3 s.h.**

PROFESSOR CHILDS

[Not offered in 1934-1935]

216. Psychological Principles of Secondary Education.—Old number 206. **3 s.h.**

PROFESSOR CHILDS

218. Educational Implications of Genetic Psychology.—Prerequisite, six semester-hours of psychology or educational psychology. **3 s.h.**

PROFESSOR BROWNELL

219. Experimental Education.—**3 s.h.**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

222. The Curriculum and Materials of the Elementary Grades.—**3 s.h.**

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

224. Current Problems in Public Education as Revealed through School Surveys.—**3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

225. The Teaching of High-School History.—Identical with History 211.
3 s.h.

ASSOCIATE PROFESSOR SHRYOCK AND DR. MANCHESTER

227. The Psychology of Learning: Problems.—Old number 228. 3 s.h.

ASSISTANT PROFESSOR EASLEY

228. The Psychology of Learning, Theoretical and Experimental.—This is a continuation of 227. Prerequisite, 227 or its equivalent. 3 s.h.

ASSISTANT PROFESSOR EASLEY

232. Elementary-School Supervision.—3 s.h.

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

233. Administrative Pupil-Accounting.—3 s.h.

PROFESSOR PROCTOR

234. Secondary-School Organization and Administration.—3 s.h.

PROFESSOR PROCTOR

237. Investigations in Reading.—3 s.h.

ASSOCIATE PROFESSOR CARR

244. Studies in the Historical Development of Public-School Administration.
3 s.h.

PROFESSOR HOLTON

[Not offered in 1934-1935]

246. The Teaching of Mathematics.—Identical with Mathematics 204. 3 s.h.

PROFESSOR RANKIN

247. Investigations in Arithmetic.—Old number 248. 3 s.h.

PROFESSOR BROWNELL

[Not offered in 1934-1935]

253. Legal Phases of School Administration.—3 s.h.

PROFESSOR HOLTON

[Not offered in 1934-1935]

254. History of Secondary Education in the United States.—3 s.h.

PROFESSOR PROCTOR

[Not offered in 1934-1935]

258. Educational Measurements.—Prerequisite, twelve semester-hours in the Department, including a course in educational psychology. 3 s.h.

PROFESSOR BROWNELL

264. Recent Movements in American Education.—3 s.h.

PROFESSOR HOLTON

[Not offered in 1934-1935]

266. The Teaching of High-School French.—Identical with French 218.
3 s.h.

PROFESSOR WEBB

294. Comparative Education: Recent Movements in European Educational Systems.—3 s.h.

ASSOCIATE PROFESSOR CARR

FOR TEACHERS IN SERVICE AND FOR OTHER STUDENTS BY PERMISSION

Teachers are referred to such courses, listed for seniors and graduates, on this page and preceding pages, as may be scheduled for late afternoon hours and Saturday periods. Graduate teachers will find other courses in the graduate section of the annual catalogue and in the graduate bulletin. Undergraduate courses are offered when there is sufficient demand from teachers in the elementary schools.

CIVIL AND MECHANICAL ENGINEERING

ASBURY AND BIVINS BUILDINGS

PROFESSORS BIRD, HALL, AND WILBUR; MESSRS. LEWIS AND MATTHEWS

DRAWING

1. Engineering Drawing.—2 s.h.

STAFF

2. Engineering Drawing.—Prerequisite, course 1. 2 s.h.

STAFF

4. Engineering Drawing.—Prerequisite, course 1. 2 s.h.

STAFF

5-6. Descriptive Geometry.—Concurrent with courses 1 and 2-4. No credit given unless taken for two semesters. 2 s.h.

STAFF

MECHANICS

8. Mechanics.—Prerequisite, course 1. Mathematics 55. 5 s.h.

PROFESSOR BIRD AND MR. LEWIS

107. Strength of Materials.—Prerequisite, course 8. 4 s.h.

PROFESSOR BIRD AND MR. LEWIS

108. Hydraulics.—Prerequisite, course 8. 4 s.h.

PROFESSOR HALL

CIVIL ENGINEERING

10. Plane Surveying.—Prerequisite, course 1, Trigonometry. 3 s.h.

For fee of this course, see bulletin of the Summer School.

PROFESSORS BIRD AND HALL AND MR. LEWIS

11. Higher Surveying.—Prerequisite, course 10. 2 s.h.

PROFESSOR HALL

110. Plane Surveying.—Prerequisite, Engineering Drawing and Trigonometry. 3 s.h.

PROFESSORS BIRD AND HALL, AND MR. LEWIS

111. Higher Surveying.—Prerequisite, course 10 or 110. 3 s.h.

PROFESSOR BIRD OR HALL

[Not offered in 1934]

112. Field Astronomy.—Prerequisite, course 11. 2 s.h.

PROFESSOR HALL

113-114. Curves and Earthwork.—Prerequisite, course 10. 4 s.h.

PROFESSOR HALL

15. Highway Engineering.—3 s.h.

PROFESSOR HALL

117. Highway Engineering.—Prerequisite, course 115. 2 s.h.

PROFESSOR HALL

118. Materials of Engineering.—2 s.h.

MR. LEWIS

119-120. Railroad Engineering.—Prerequisite, course 113-114. 5 s.h.

PROFESSOR BIRD

123-124. Hydraulic Engineering.—Prerequisite, course 108. 8 s.h.

PROFESSOR HALL

131. Steel Structures—Stresses.—Prerequisite, course 8. 4 s.h.

PROFESSOR BIRD

[Offered in alternate years.]

132. Steel Structures—Design.—Prerequisites, courses 107 and 131. 4 s.h.

PROFESSOR BIRD

[Offered in alternate years.]

133. Reinforced Concrete.—Prerequisite, course 107. 3 s.h.

PROFESSOR BIRD

[Offered in alternate years. Not offered in 1934-1935.]

134. Masonry Structures.—Prerequisites, courses 107 and 133. 3 s.h.

PROFESSOR BIRD

[Offered in alternate years. Not offered in 1934-1935.]

137-138. Seminar.—2 s.h.

PROFESSORS BIRD AND HALL

[Offered in alternate years. Not offered in 1934-1935.]

142. Engineering Geology.—3 s.h.

MR. ———

240. Indeterminate Structures.—Prerequisite, course 131 and ability to read French or German. **3 s.h.**

PROFESSOR BIRD

143-144. Projects in Civil Engineering.—**3 s.h.**

PROFESSORS BIRD AND HALL

MECHANICAL ENGINEERING

79-80. Constructive Processes.—Prerequisite, 4. Open only to mechanical engineering students. **2 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

81. Mechanism.—Prerequisite, 4. **2 s.h.**

PROFESSOR WILBUR

85. Steam Engineering.—**2 s.h.**

MR. MATHEWS

183-184. Machine Design.—Prerequisites, 8, 81, 107 (or concurrent). **6 s.h.**

PROFESSOR WILBUR

187-188. Engineering Thermodynamics.—Prerequisites, 85 and Math. 100. **6 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

189-190. Junior Mechanical Engineering Laboratory.—(Concurrent with 187-188.) **4 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

199-200. Junior Mechanical Engineering Laboratory.—Open only to civil and electrical engineering students who have elected courses 187-188. **2 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

191. Power Plants.—Prerequisites, Math. 100 and courses 188 and 190. **3 s.h.**

MR. MATHEWS

192. Power Plant Calculations.—Prerequisite, course 191. **3 s.h.**

PROFESSOR WILBUR

193-194. Senior Mechanical Engineering Laboratory.—A requirement, course 191 concurrently. **4 s.h.**

PROFESSOR WILBUR AND MR. MATHEWS

195. Heating and Ventilating.—**3 s.h.**

PROFESSOR BIRD

196. Refrigeration.—Prerequisites, courses 188 and 190 or 200. **3 s.h.**

MR. MATHEWS

197. Internal Combustion Engines.—Prerequisites, courses 188 and 190 or 200. **3 s.h.**

PROFESSOR WILBUR

198. **Aeronautics.**—Prerequisite, course 184. 3 s.h.

MR. MATHEWS

ELECTRICAL ENGINEERING

ASBURY BUILDING

PROFESSORS SCHEALER AND SEELEY

151-152. **Principles of Electrical Engineering.**— Prerequisites, Physics 61-62, Mathematics 55, 100, and 231 (taken concurrently). 8 s.h.

PROFESSOR SEELEY

153-154. **Principles of Electrical Engineering.**— Prerequisite, Physics 61-62. 6 s.h.

PROFESSOR SCHEALER

155. **Principles of Electrical Engineering: Advanced Direct-Current Machinery.**—Prerequisites, courses 151-152, Mathematics 55, 100. 3 s.h.

PROFESSOR SCHEALER

156. **Electric Railways.**— Elective. Prerequisites, courses 151-152, 155. 3 s.h.

PROFESSOR SCHEALER

158. **Electric-Power Stations.**—Prerequisites, courses 151-152 and 187-188. 3 s.h.

PROFESSOR SCHEALER

159. **Electric-Power Transmission.**—Concurrent with course 257. Prerequisite, course 151-152. 3 s.h.

PROFESSOR SEELEY

257. **Principles of Electrical Engineering: Advanced Alternating Currents.**— Prerequisites, course 151-152, Mathematics 55, 100, 231. 3 s.h.

PROFESSOR SCHEALER

258. **Principles of Electrical Engineering: Advanced Alternating Current Machinery.**—Prerequisite, course 257. 6 s.h.

PROFESSOR SCHEALER

261-262. **High-Frequency Alternating Currents.**— Prerequisite, Mathematics 231. 6 s.h.

PROFESSOR SEELEY

263-264. **Mathematical Analysis of Electrical Circuits.**— Elective. Prerequisites, courses 151-52 and Mathematics 231. 6 s.h.

PROFESSOR SEELEY

ENGLISH

PROFESSORS BROWN, BAUM, GILBERT, GREENE, HUBBELL, WHITE; ASSOCIATE PROFESSORS GOHDES AND MITCHELL; ASSISTANT PROFESSORS BLACKBURN, JORDAN, PATTON, AND VANCE; MRS. WHITE; MESSRS. ANDERSON, GREGORY, HERRING, HOFFMAN, SUGDEN, WARD, AND WEST; AND ASSISTANTS

1-2. English Composition.—6 s.h.

ASSOCIATE PROFESSOR MITCHELL; ASSISTANT PROFESSORS PATTON AND VANCE; MESSRS. GREGORY, WARD, SUGDEN, ANDERSON, AND HOFFMAN; MRS. WHITE

4. English Poetry and Writing.—3 s.h.

ASSOCIATE PROFESSOR MITCHELL; ASSISTANT PROFESSORS PATTON AND VANCE; MESSRS. GREGORY, WARD, SUGDEN, ANDERSON, AND HOFFMAN; MRS. WHITE

53. English Composition.—3 s.h.

ASSISTANT PROFESSOR JORDAN

54. Composition.—3 s.h.

ASSISTANT PROFESSOR JORDAN

***55-56. Prose Masterpieces.—6 s.h.**

ASSISTANT PROFESSORS VANCE AND BLACKBURN

***57-58. Prose Literature.—For candidates for honors. 6 s.h.**

ASSISTANT PROFESSOR PATTON

***59-60. Contemporary Literature.—6 s.h.**

MRS. WHITE

***59-60. Contemporary Literature.—6 s.h.**

PROFESSOR HUBBELL

***63-64. A Survey of English Poetry.—6 s.h.**

ASSISTANT PROFESSOR PATTON

***63-64. A Survey of English Poetry.—6 s.h.**

ASSOCIATE PROFESSOR GOHDES

101-102. Composition.—Students who wish to take this course must have made a grade of 75 or more in English 1-2, or they must have credit for English 1-2 and English 53. **6 s.h.**

ASSOCIATE PROFESSOR MITCHELL

Open to men and women.

103-104. Composition.—Only students who are able to write with facility and correctness are expected to enroll for this course; they must have the consent of the instructor. **6 s.h.**

ASSISTANT PROFESSOR BLACKBURN

Open to men and women.

* Courses 55-56, 57-58, 59-60, 63-64 are open only to sophomores and juniors. A student may not receive credit for both 55-56 and 57-58.

105-106. Play-Writing.—Open to juniors, seniors, and sophomores approved by the Dean of Undergraduate Instruction. **6 s.h.**

MR. WEST

119-120. History of the Theater.—Open to juniors, seniors, and sophomores approved by the Dean of Undergraduate Instruction. **6 s.h.**

MR. WEST

121-122. Play-Production.—Open to juniors, seniors, and sophomores approved by the Dean of Undergraduate Instruction. **6 s.h.**

MR. WEST

123-124. Shakespeare.—6 s.h.

PROFESSOR BROWN

125-126. English Literature, 1798-1832.—6 s.h.

PROFESSOR WHITE

125-126. English Literature, 1798-1832.—6 s.h.

MRS. WHITE

127-128. English Literature, 1832-1900.—6 s.h.

PROFESSOR GREENE

129-130. The History of the Novel in England.—6 s.h.

ASSISTANT PROFESSOR VANCE

(Open to women and men.)

131. The Drama, 1770-1892.—3 s.h.

PROFESSOR HUBBELL

[Not offered in 1934-1935]

133. Contemporary Poetry and Verse-Writing.—No student may enroll in this course without the consent of the instructor; only a small number can be admitted. **3 s.h.**

PROFESSOR WHITE

[Not offered in 1934-1935]

134. Contemporary Poetry and Verse-Writing.—Prerequisite, English 133. No student may enroll in this course without the consent of the instructor; only a small number can be admitted. **3 s.h.**

PROFESSOR WHITE

[Not offered in 1934-1935]

135-136. Critical Study of Literary Masterpieces.—6 s.h.

PROFESSOR BAUM

[Not offered in 1934-1935]

137-138. American Literature.—6 s.h.

PROFESSOR HUBBELL

137-138. American Literature.—6 s.h.

ASSOCIATE PROFESSOR GOHDES

139-140. The Speaking Voice.—Open to all undergraduates with the approval of the Dean of Undergraduate Instruction. **6 s.h.**

MR. WEST

142. Materials and Methods in High-School English.—Open only to seniors. **3 s.h.**

ASSISTANT PROFESSOR JORDAN

143-144. English Literature, 1550-1660.—**6 s.h.**

PROFESSOR GREENE

201-202. Anglo-Saxon.—**6 s.h.**

PROFESSOR BROWN

203-204. Chaucer.—**6 s.h.**

PROFESSOR BAUM

205-206. Middle English.—Students may elect English 205-206 without having studied either Anglo-Saxon or Middle English. **6 s.h.**

PROFESSOR BAUM

207-208. English Literature, 1400-1550.—**6 s.h.**

PROFESSOR BAUM

[Not offered in 1934-1935]

209-210. English Romances.—**6 s.h.**

PROFESSOR BROWN

[Not offered in 1934-1935]

213-214. The Ballad and Other Folk-Lore.—**6 s.h.**

PROFESSOR BROWN

215-216. The Drama of the Elizabethan Period.—**6 s.h.**

PROFESSOR GILBERT

217-218. Spenser and Milton.—**6 s.h.**

PROFESSOR GILBERT

219. English Literature, 1660-1744.—**3 s.h.**

PROFESSOR WHITE

220. English Literature, 1744-1798.—**3 s.h.**

PROFESSOR WHITE

221. The Drama in England, 1640-1770.—**3 s.h.**

PROFESSOR BAUM

[Not offered in 1934-1935]

225-226. Studies in Victorian Literature.—**6 s.h.**

PROFESSOR BAUM

227. Literary Criticism.—**3 s.h.**

PROFESSOR GILBERT

228. *Literary Criticism.*—3 s.h.

PROFESSOR GILBERT

229-230. *American Literature, 1800-1870.*—Seniors must have credit for English 137-138. 6 s.h.

PROFESSOR HUBBELL

231-232. *Special Studies in American Authors.*—6 s.h.

ASSOCIATE PROFESSOR GOHDES

ARGUMENTATION AND PUBLIC SPEAKING

FOR SOPHOMORES, JUNIORS, AND SENIORS

151. *Public Speaking.*—3 s.h.

MR. HERRING

152. *Argumentation.*—3 s.h.

MR. HERRING

FINE ARTS

MISS HALL

Some practical work is required for each of these courses to train the eye and to develop ability for aesthetic analysis and criticism. This calls for no special aptitude, but rather a careful study of illustrative material and a serious effort to record observation. These courses, although given on the East Campus, are open to men as well as women.

Course 1-2 or 51-52 is a prerequisite for all other courses. These courses provide both a general survey for those whose schedule will not admit of further election in the department, and an introduction to art for those who may continue their study of the subject.

1-2. *History of Art.*—For freshmen. 6 s.h.

MISS HALL

51-52. *History of Art.*—Not open to freshmen or to students who have course 1-2. 6 s.h.

MISS HALL

101. *Introduction to Medieval Art.*—3 s.h.

MISS HALL

[Not offered in 1934-1935]

102. *Development of Gothic Art.*—3 s.h.

MISS HALL

[Not offered in 1934-1935]

103. *Architecture of the Renaissance.*—3 s.h.

MISS HALL

104. *Sculpture and Painting of the Renaissance.*—3 s.h.

MISS HALL

106. Modern Architecture.—3 s.h.

MISS HALL

COURSES OFFERED IN OTHER DEPARTMENTS RELATING TO THIS FIELD

GREEK

141-142. Greek Art.

243. Athenian Topography.

244. Greek Epigraphy.

247-248. Greek Archaeology.

LATIN

215. Introduction to Roman Art and Archaeology.

216. Topography and Monuments of Ancient Rome.

MUSIC

61-62. Elementary Harmony.

63. History of Music to Beethoven.

64. History of Music from Beethoven to the Present.

PHILOSOPHY

201-202. The Philosophy of Art.

213-214. History of Aesthetics.

[Not offered in 1934-1935]

PSYCHOLOGY

202. Psychology of Aesthetics.

FORESTRY

PROFESSOR KORSTIAN AND ASSISTANT PROFESSOR MAUGHAN

Several of the professional forestry courses will eventually be open to undergraduate students. At present only the following courses are available.

Students who are preparing for graduate work in forestry are advised to take the courses outlined in the pre-forestry curriculum.

1. Principles of Forestry.—Open to sophomores, juniors, and seniors. 3 s.h.

ASSISTANT PROFESSOR MAUGHAN

154. Forest Tree Characteristics and Identification.—Prerequisite, one year of botany. 4 s.h.

PROFESSOR KORSTIAN

254. Dendrology.—Prerequisite, two years of botany. 4 s.h.

PROFESSOR KORSTIAN

GERMAN LANGUAGE AND LITERATURE

PROFESSORS VOLLMER, KRUMMEL, AND WANNAMAHER; ASSISTANT
PROFESSOR WILSON; MESSRS. SHEARS AND MAXWELL

The courses in the 100-group (except 101-102, 103-104 and 119-120) are third-year college courses in German and are open to students who have passed two years of college German here or elsewhere.

The courses in the 200-group are fourth-year college courses in German and are open to students who have passed three years of college German here or elsewhere. These courses are also open to graduate students.

Although courses in the 100 and 200 groups are regarded as full year courses, students will receive 3 semester-hours credit if they take only one semester's work.

Transfer students who have studied German elsewhere or freshmen who have studied German in secondary schools, are requested to consult with the German Department before registering for any course.

COURSES OFFERED IN 1934-1935

1-2. Elementary German.—6 s.h.

ASSISTANT PROFESSOR WILSON, DR. SHEARS, DR. MAXWELL

3-4. Intermediate German.—6 s.h.

PROFESSOR KRUMMEL, ASSISTANT PROFESSOR WILSON,
DR. SHEARS, DR. MAXWELL

101-102. Elementary German.—For juniors and seniors only. 6 s.h.

103-104. Intermediate German.—For juniors and seniors only. 6 s.h.

107. Scientific German.—3 s.h.

PROFESSOR WANNAMAHER

108. Advanced Scientific and Medical German.—3 s.h.

PROFESSOR WANNAMAHER

109-110. German Prose Fiction.—6 s.h.

PROFESSOR KRUMMEL

111-112. Introduction to the Classic Drama.—6 s.h.

ASSISTANT PROFESSOR WILSON

[Not offered in 1934-1935]

113-114. Masterpieces of German Prose.—German lyrics and ballads.
6 s.h.

ASSISTANT PROFESSOR WILSON

115-116. German Drama of the Nineteenth Century.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1934-1935]

117-118. Conversational German.—6 s.h.

DR. MAXWELL

119-120. Great Epochs in German Literature.—(Translations are used—
knowledge of German not required.) 6 s.h.

PROFESSOR VOLLMER

121-122. Schiller's Dramas and Prose.—6 s.h.

PROFESSOR VOLLMER

123-124. Modern German Short Story.—6 s.h.

DR. SHEARS

125-126. Contemporary German Literature.—6 s.h.

DR. SHEARS

[Not offered in 1934-1935]

201-202. Goethe.—6 s.h.

PROFESSOR KRUMMEL

203-204. Leibnitz to Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

205-206. Middle High German.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

207-208. German Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

209-210. Nineteenth Century Drama.—6 s.h.

PROFESSOR KRUMMEL

211-212. Heinrich Heine.—6 s.h.

PROFESSOR VOLLMER

213-214. Nineteenth Century Political Literature.—6 s.h.

PROFESSOR VOLLMER

GREEK

PROFESSOR PEPPLER, ASSISTANT PROFESSOR WAY,
AND MR. TRUESDALE

Courses 121-122, 141-142, and 131 are entirely in English and require no knowledge of the Greek language. The purpose in offering them is to give a wider circle of students some conception of the debt which modern civilization owes to the Greeks.

1-2. Course for Beginners.—6 s.h.

MR. TRUESDALE

Open to all students.

53-54. Xenophon.—*Anabasis*, Books I-IV. 6 s.h.

MR. TRUESDALE

Open to students who offer one unit of Greek for admission and to those who have completed course 1-2.

105-106. Homer.—*Iliad*, Books I-VI. 6 s.h.

PROFESSOR PEPPLER

Open to students who offer two units of Greek for admission and to those who have completed courses 1-2 and 53-54 or their equivalent.

107-108. Plato.—6 s.h.

ASSISTANT PROFESSOR WAY

Open to students who offer three units for admission and to others who have completed the required preliminary work.

115-116. Sight Reading in Greek.—4 s.h.

ASSISTANT PROFESSOR WAY

117-118. Greek Prose Composition.—2 s.h.

PROFESSOR PEPPLER

121-122. Greek Literature in English Translations.—6 s.h.

PROFESSOR PEPPLER

The student may elect course 122, whether or not he has taken course 121.

141-142. Greek Art.—6 s.h.

ASSISTANT PROFESSOR WAY

Greek 131—Latin 132. Ancient History.—6 s.h.

PROFESSOR ANDERSON

201-202. Greek Drama.—6 s.h.

PROFESSOR PEPPLER

203-204. Homer.—*Odyssey*. Pindar and Bacchylides. 6 s.h.

PROFESSOR PEPPLER

205-206. Greek Historians.—6 s.h.

PROFESSOR PEPPLER

207-208. Greek Orators.—6 s.h.

PROFESSOR PEPPLER

209-210. Plato.—6 s.h.

ASSISTANT PROFESSOR WAY

211-212. Aristophanes.—Selected comedies. 6 s.h.

PROFESSOR PEPPLER

Only one of the six year-courses for seniors and graduates (201-212), listed above, is offered each year.

243. Athenian Topography.—3 s.h.
ASSISTANT PROFESSOR WAY
244. Greek Epigraphy.—3 s.h.
ASSISTANT PROFESSOR WAY
245. Greek Dialects.—3 s.h.
ASSISTANT PROFESSOR WAY
246. Greek Historical Inscriptions.—Course 131 is prerequisite. 3 s.h.
ASSISTANT PROFESSOR WAY
- 247-248. Greek Archaeology.—6 s.h.
ASSISTANT PROFESSOR WAY

Of the courses numbered from 243 to 248 only two semester-courses are offered each year.

Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1400. They are awarded mainly on the basis of examinations held in the beginning of March of each year.

HEALTH AND PHYSICAL EDUCATION

TRINITY COLLEGE

DIRECTOR OF PHYSICAL EDUCATION WADE; ASSISTANT DIRECTOR VOYLES; AND ASSISTANTS CALDWELL, CAMERON, CHAMBERS, COOMBS, CRICHTON, GERARD, HAGLER, PERSONS, WAITE, AND WARREN; AND GYMNASIUM DIRECTOR CARD

REQUIRED PHYSICAL EDUCATION FOR MEN

A thorough medical and physical examination is made of each student on entering the University. Those who reveal pronounced physical deficiencies are excused from the regular courses in physical education and are required to take Corrective Gymnastics. Students assigned to this work continue to take it until they have been pronounced reasonably sound. Thereupon they withdraw from this course and register in the regular physical education course. A student may take from one to eight semesters of this special work. The other students must elect a different activity each semester. In general, these activities fall in one of three groups: those developing physical efficiency; those affording competitive contests; and those occupying recreative or leisure time. Since a student is not allowed to take the same course twice, he covers four courses in the two years of required work.

Eleven courses are open to students of the freshman class: Basketball, Boxing, Corrective Gymnastics, Cross Country, Football, Soccer Football, Beginning Swimming, Beginning Tennis, Tumbling, Beginning Track and Wrestling.

Eleven courses are open to sophomores: Apparatus Stunts, Baseball, Boxing, Corrective Gymnastics, Cross Country, Football, Golf, Advanced Swimming, Track, Touch Football, and Advanced Tennis.

Courses numbered 1 to 49 are for freshmen. All freshmen who do not pass the physical examination must enroll in courses 5-6. Those who pass the physical examination enroll in any of the other ten courses.

Courses numbered 50 to 99 are for sophomores. All sophomores who do not pass the physical examination must enroll in courses 57-58. Those who pass the physical examination enroll in any of the other ten courses.

The regulation indoor suit consists of a sleeveless shirt (white for freshmen, blue for sophomores) with "Duke" across the front, white running pants, supporter, sweat socks and rubber-soled shoes. For the out-door work a sweat suit should be added to the above list and shoes suitable for the sport.

FOR FRESHMEN

1-2. Basketball.—1½ s.h.	MR. WAITE
3-4. Boxing.—1½ s.h.	MR. WARREN
5-6. Corrective Gymnastics.—1½ s.h.	MR. CHAMBERS
11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Beginning Swimming.—1½ s.h.	MR. PERSONS
17-18. Beginning Tennis.—1½ s.h.	MR. GERARD
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Track.—1½ s.h.	MR. WAITE
25-26. Wrestling.—1½ s.h.	MR. WARREN
41. Cross Country.—1½ s.h.	MR. CHAMBERS
37. Football.—1½ s.h.	MR. CALDWELL

FOR SOPHOMORES

51-52. Apparatus Stunts.—1½ s.h.	MR. CARD
53-54. Boxing.—1½ s.h.	MR. WARREN
55-56. Corrective Gymnastics.—1½ s.h.	MR. CHAMBERS
59-60. Baseball.—1½ s.h.	MR. COOMBS

61-62. Golf.—1½ s.h.	MR. CRICHTON
63-64. Advanced Swimming.—1½ s.h.	MR. PERSONS
65-66. Touch Football.—1½ s.h.	MR. HAGLER
67-68. Advanced Tennis.—1½ s.h.	MR. GERARD
69-70. Track and Field Events.—1½ s.h.	MR. VOYLES
91. Cross Country.—1½ s.h.	MR. CHAMBERS
87. Football.—1½ s.h.	MR. HAGLER

ELECTIVE COURSES IN PHYSICAL EDUCATION

Students in Group VI A may elect twelve semester-hours from the courses offered below.

These courses are arranged to help meet the increasing demand for teachers who are qualified to teach physical education and to coach.

171. Recreational Activities.—3 s.h.

MR. GERARD

173. Health Education and Corrective Gymnastics.—Prerequisite, Zoölogy 1-2. 4 s.h.

MR. CHAMBERS

182. Organization and Administration of Physical Education and Athletics.—2 s.h.

MESSRS. WADE AND VOYLES

187. School Programs of Physical Education.—3 s.h.

MR. GERARD

190. Training and First Aid.—2 s.h.

MR. CHAMBERS

192. History, Systems, and Theories of Physical Education.—3 s.h.

MR. VOYLES

WOMAN'S COLLEGE

MISS GROUT, DIRECTOR

MRS. CHATNEUFF, MISS CIRCLE, MISS LEWIS, MISS WYCHE*

Six hours credit in physical education, with an average grade of "C" must be completed for graduation. For women students two hours a week through the junior year are needed to fulfill this requirement.

All students are given a physical and medical examination upon entering and at intervals throughout their college course. Classes in individual gymnastics and moderate sports are arranged for those who should not take the more active work.

The regulation costume (approximate cost \$6.00) should be purchased from the college store at the beginning of the year.

* On leave, 1933-1934.

ACTIVITIES OFFERED

Fall term (October to December): Hockey, soccer, swimming, tennis, riding, moderate sports, volleyball.

Winter term (December to March): Danish gymnastics and apparatus, individual gymnastics, posture training, tumbling and stunts, clog and character dancing, folk dancing, natural dancing, swimming, diving, life-saving, basketball.

Spring term (March to June): Tennis, swimming, riding, baseball, track and field events, archery, golf fundamentals.

ELECTIVES IN PHYSICAL EDUCATION

In view of the fact that there is an increasing demand for teachers of general subjects who are qualified to assist in physical education in the public schools, the following courses are offered as electives for prospective teachers and as introductory courses for students planning to continue the study of physical education as a profession. Students other than those in Group VI do not receive academic credit for these courses.

81. History and Principles of Physical Education.—Prerequisite, Educational Psychology. **3 s.h.**

MISS GROUT

102. The Teaching of Physical Education in Elementary Schools.—Courses 102 and 185 are mutually exclusive. Open to sophomores, juniors, and seniors. **3 s.h.**

MISS GROUT

181-82. Methods of Teaching Athletic Activities.—Open to juniors and seniors. **6 s.h.**

THE STAFF

185. The Teaching of Physical Education in Secondary Schools.—Courses 185 and 102 are mutually exclusive. Open to sophomores, juniors, and seniors. **3 s.h.**

MISS GROUT

HYGIENE

S112. Personal and School Hygiene.—**3 s.h.**

MISS GARDINER

HISTORY

PROFESSORS BOYD,* LAPRADE, RIPPY, AND SHRYOCK; ASSOCIATE PROFESSORS BALDWIN AND CARROLL; ASSISTANT PROFESSORS MACKAY AND NELSON; MESSRS. LANNING, MCCLOY, MANCHESTER, MABRY, AND WOODY

The undergraduate courses in history are designed to afford (1) an introduction to the study of history by a survey of the history of modern Europe; (2) a more intensive study of general American history; (3)

* On leave of absence, second semester, 1933-34.

opportunities for more advanced study of phases of American, English, European, and Hispanic-American history which interest the teachers and students.

Course 1-2 or 51-52 is a prerequisite for all other courses; courses 91 and 92 are prerequisite for courses 114, 119-120, 121-122, 215-216. Sophomores who took only one semester of course 1-2 in the freshman year may be admitted to courses 91 and 92 or 65-66, provided they made a grade of B or above on the semester taken. Courses offered for seniors and graduates are limited to twenty-five students; juniors may not elect them without special permission from the department and the Council on Graduate Instruction. Sophomores must obtain permission of the instructor in order to be admitted to courses numbered above 100; students who are not fully qualified sophomores will not be admitted to these courses.

1-2. Modern and Contemporaneous Europe.—Sophomores and juniors may not be admitted to this course. **6 s.h.**

ASSISTANT PROFESSORS NELSON AND MACKAY AND DRs. LANNING,
McCLOY, MANCHESTER, WOODY, AND MABRY

51-52. Modern and Contemporaneous Europe.—Not open to freshmen or students who have had course 1-2.

ASSOCIATE PROFESSOR BALDWIN AND DRs. LANNING,
MANCHESTER, AND WOODY

65-66. The Social and Cultural History of Western Europe in the Seventeenth and Eighteenth Centuries.—**6 s.h.**

DR. McCLOY

91. Political and Social History of the United States to 1830.—Old number 9. **3 s.h.**

PROFESSOR SHRYOCK AND DRs. LANNING, MANCHESTER,
WOODY, AND MABRY

92. Political and Social History of the United States, 1830 to 1900.—This course completes the work begun in 91. Old number 91. **3 s.h.**

PROFESSOR SHRYOCK AND DRs. LANNING, MANCHESTER,
WOODY, AND MABRY

Note: In courses 91 and 92 no texts are required, but each student pays a class fee of \$3.00 per semester with which all books to be read are purchased and placed in the libraries. This fee is collected through the Treasurer's office.

101-102. Early European Civilization.—**6 s.h.**

Sophomores who made an average grade of B or more on course 1-2 may be admitted to this course.

ASSISTANT PROFESSOR MACKAY

114. History of the United States since Reconstruction.—Old number 113. **3 s.h.** Prerequisites, courses 91 and 92.

DR. LANNING

Ancient History.—Greek 113—Latin 132.—See Department of Latin and Roman Studies.

119-120. Social and Economic History of the American People.—Old number 119. 6 s.h. Prerequisites, courses 91 and 92.

PROFESSOR SHRYOCK

121-122. The Church in American History.—Old number 120. 6 s.h. Prerequisites, courses 91 and 92.

ASSOCIATE PROFESSOR BALDWIN

123-124. English History.—Old number 124. 6 s.h.

PROFESSOR LAPRADE

125. The Ancient Régime, the French Revolution, and Napoleon.—3 s.h.

ASSOCIATE PROFESSOR CARROLL

126. The Congress of Vienna and the Rise of the European Nations to 1870. 3 s.h.

ASSOCIATE PROFESSOR CARROLL

127. History of Latin America: The Colonial Period.—3 s.h.

PROFESSOR RIPPY

128. History of Latin America: The National Period.—3 s.h.

PROFESSOR RIPPY

FOR SENIORS AND GRADUATES

203. The Union, Confederacy, and Reconstruction.—3 s.h.

PROFESSOR BOYD

[Not offered in 1934-1935]

205-206. English Constitutional History.—Old number 204. 6 s.h.

PROFESSOR LAPRADE

[Not offered in 1934-1935]

208. Studies in the Social History of the United States.—3 s.h.

PROFESSOR SHRYOCK

209-210. Constitutional History of the United States, 1763 to 1860.—
Old number 210. 6 s.h.

PROFESSOR BOYD

[Not offered in 1934-1935]

211. The Teaching of History and Civics (Education 225).—Old number 212. 3 s.h.

DR. MANCHESTER

215-216. History of the United States' Foreign Policy.—Prerequisite, courses 91 and 92. 6 s.h.

PROFESSOR RIPPY

217-218. Europe since 1870.—Old number 217. 6 s.h.

ASSOCIATE PROFESSOR CARROLL

219-220. The History of the European Proletariate.—Old number 218. **6 s.h.**

ASSOCIATE PROFESSOR CARROLL

[Not offered in 1934-1935]

223-224. Medieval Institutions and Culture.—Old number 223. **6 s.h.**

ASSISTANT PROFESSOR MACKAY

221-222. The Age of the Renaissance.—Old number 222. **6 s.h.**

ASSISTANT PROFESSOR NELSON

[Not offered in 1934-1935]

225-226. The Age of the Reformation.—**6 s.h.**

ASSISTANT PROFESSOR NELSON

230. The History of North Carolina.—**3 s.h.**

PROFESSOR BOYD

[Not offered in 1934-1935]

231. The Hispanic Colonies of the New World.—Old number 232. **3 s.h.**

DR. LANNING

233-234. The Hispanic-American Republics.—Old number 231. **6 s.h.**

PROFESSOR RIPPY

[Not offered in 1934-1935]

LATIN AND ROMAN STUDIES

PROFESSORS ROSBOROUGH AND ANDERSON, ASSISTANT PROFESSOR
GATES, AND MR. _____

Work is offered in several branches of Roman Studies: Latin Language and Literature, Roman Art and Archaeology, Ancient History, Roman Law. Students who present two entrance credits in Latin should take course 3-4; those who present three entrance credits should take courses 57 and 15, following up with course 4 the second semester; those who enter with four units of Latin should register for course 41-42. (*A beginner's course 1-2 will be offered in case of sufficient demand.*)

3. Cicero's Orations.—Prerequisite, two units of entrance Latin. **3 s.h.**

4. Vergil's Aeneid.—Prerequisite, three entrance units and Latin 57 taken in the semester preceding admission to the course. **3 s.h.**

15-16. Latin Prose Composition.—Recommended to students who are pursuing courses 3-4, 57, 41-42. **2 s.h.**

ASSISTANT PROFESSOR GATES

41. Terence.—Comedies. **3 s.h.**

Selected Latin Prose Writers, or Cicero. **3 s.h.**

THE STAFF

42. Horace.—**3 s.h.**

THE STAFF

53. Sallust and Tacitus.—Prerequisite, Latin 41-42 or an equivalent.
3 s.h.

ASSISTANT PROFESSOR GATES

54. Catullus.—3 s.h.

ASSISTANT PROFESSOR GATES

57. Sight Reading Course in Classical Latin.—1 s.h.

PROFESSOR ROSBOROUGH

58. Sight Reading Course in Mediaeval Latin.—Prerequisite, at least one of the following courses: 3, 4, 41, 42, 57. 1 s.h.

PROFESSOR ROSBOROUGH

59. Roman Law.—

[Not offered in 1934-1935]

101-102. Tacitus and Suetonius; Juvenal and Persius.—

[Not offered in 1934-1935]

103. The Roman Elegiac Poets.—3 s.h.

PROFESSOR ROSBOROUGH

104. Horace: The Satires and Epistles.—3 s.h.

PROFESSOR ROSBOROUGH

105-106. Martial: Epigrams; Letters of the Younger Pliny.—

[Not offered in 1934-1935]

107. Livy: Ab Urbe Condita.—3 s.h.

ASSISTANT PROFESSOR GATES

108. Cicero's Letters.—3 s.h.

ASSISTANT PROFESSOR GATES

109. Materials and Methods Course in Latin.—Prerequisite, eighteen semester-hours of college Latin, including courses 41-42, 53-54, or equivalents. 3 s.h.

PROFESSOR ANDERSON

(Note: Course 109 is offered in alternate years only.)

111-112. Roman Literature in English Translation.—

[Not offered in 1934-1935]

113-114. Roman Civilization.—

[Not offered in 1934-1935]

Ancient History: Greek 131—6 s.h.

PROFESSOR ANDERSON

201. Roman Fiction.—

[Not offered in 1934-1935]

202. Early Latin Christian Writers.—

[Not offered in 1934-1935]

203-204. Roman Epic Poetry.—6 s.h.

ASSISTANT PROFESSOR GATES

205-206. Roman Drama.—6 s.h.

PROFESSOR ANDERSON OR ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy.—

[Not offered in 1934-1935]

209-210. Vulgar Latin and Introduction to Romance Philology.—Prerequisites, Latin 41-42, or an equivalent, and not less than two years of college French or college Spanish, exclusive of a beginner's course. **6 s.h.**

PROFESSOR ROSBOROUGH

215. Introduction to Roman Art and Archaeology.—Note: Approved juniors may be admitted.

PROFESSOR ROSBOROUGH

216. Topography and Monuments of Ancient Rome.—3 s.h.

PROFESSOR ROSBOROUGH

LAW COURSES FOR ACADEMIC STUDENTS

PROFESSORS MILLER, BOLICH, BRUTON, LON FULLER, MAGGS;
MESSRS. DEAN AND ROALFE

The first year program of the Law School is as follows:

201. Orientation and Introduction to Procedure.—2 s.h.

MR. DEAN

203-204. Contracts and Quasi-Contracts.—7 s.h.

PROFESSOR LON FULLER

205-206. Criminal Law and Its Administration.—6 s.h.

PROFESSOR MILLER AND MR. DEAN

208. Chattel Transactions.—3 s.h.

PROFESSOR BRUTON

210. Possessory Estates.—2 s.h.

PROFESSOR BOLICH

211-212. Torts.—6 s.h.

PROFESSOR MAGGS

Legal Bibliography.—No credit.

MR. ROALFE

MATHEMATICS

PROFESSORS FLOWERS, ELLIOTT, AND RANKIN; ASSISTANT PROFESSORS ALDRIDGE, CARLITZ, DALE, HICKSON, MILES, PATTERSON, ROBERTS, THOMAS; MESSRS. DRESSSEL AND GREENWOOD; AND ASSISTANTS

Courses 1 and 2 are the traditional freshman courses in college algebra and trigonometry. Students preferring a unified course in elementary mathematics to the traditional plan of studying the elementary subjects separately should take course 3-4 instead of courses 1 and 2. Course 3-4 is required of students in the business administration and pre-medical groups, and special sections of this course will be designated for these students. A freshman who has had some trigonometry and a good high school record in algebra should take course 7. A student should consult the department for particulars regarding honors work in mathematics.

1. College Algebra.—*Each semester. 3 s.h.*

STAFF

2. Plane Trigonometry.—Prerequisite, except by special permission of the department, course 1. *Each semester. 3 s.h.*

STAFF

3-4. Elementary Mathematical Analysis.—**6 s.h.**

STAFF

7. Algebra and Trigonometry.—Open to students approved by the department. **3 s.h.**

STAFF

9-10. Engineering Mathematics.—**10 s.h.**

ASSISTANT PROFESSOR PATTERSON

11-12. Engineering Mathematics.—*See Department of Engineering. 10 s.h.*

ASSISTANT PROFESSOR PATTERSON

16. Solid Geometry.—**3 s.h.**

STAFF

50. Plane and Solid Analytic Geometry.—Prerequisites, courses 1 and 2 or 3-4. *Each semester. 4 s.h.*

STAFF

55. Differential Calculus.—Prerequisite, course 50. *Each semester. 4 s.h.*

STAFF

71. Mathematics of Investment.—Prerequisite, 6 hours of college mathematics. This course does not count toward a major in mathematics. **3 s.h.**

ASSISTANT PROFESSOR HICKSON

74. Statistics.—Prerequisite, 6 hours of college mathematics. This course does not count toward a major in mathematics. **3 s.h.**

ASSISTANT PROFESSOR HICKSON

100. Integral Calculus.—Prerequisites, courses 50 and 55. *Each semester.*
4 s.h.

STAFF

FOR SENIORS AND GRADUATES

201. History of Mathematics.—3 s.h.

PROFESSOR RANKIN

***204. The Teaching of Mathematics.**—Prerequisite, course 100 unless the two are taken simultaneously. 3 s.h.

PROFESSOR RANKIN

207. Fundamental Concepts of Algebra and Geometry.—Prerequisite, course 100. 3 s.h.

PROFESSOR RANKIN

225. Theory of Equations and Determinants.—Prerequisite, course 55.
3 s.h.

ASSISTANT PROFESSOR THOMAS

226. Galois Theory of Equations.—Prerequisite, course 225. 3 s.h.

ASSISTANT PROFESSOR CARLITZ

228. Number Theory.—Prerequisite, course 100. 3 s.h.

ASSISTANT PROFESSOR ROBERTS

229. Theory of Algebraic Numbers.—Prerequisite, course 225. 3 s.h.

ASSISTANT PROFESSOR CARLITZ

231. Differential Equations.—Prerequisite, course 100. 3 s.h.

PROFESSOR ELLIOTT

235-236. Modern Higher Algebra.—Prerequisite, course 55. 6 s.h.

ASSISTANT PROFESSOR CARLITZ

239-240. Advanced Calculus.—Prerequisite, course 100. 6 s.h.

PROFESSOR ELLIOTT

250. Modern Geometry.—Prerequisite, course 55. 6 s.h.

PROFESSOR RANKIN

252. Non-Euclidean Geometry.—Prerequisite, course 100. 3 s.h.

ASSISTANT PROFESSOR ROBERTS

255-256. Projective Geometry.—Prerequisite, course 55. 6 s.h.

ASSISTANT PROFESSOR THOMAS

259-260. Analytic Geometry of Space.—Prerequisite, course 55. 6 s.h.

PROFESSOR ELLIOTT

275. Probability.—Prerequisite, course 100. 3 s.h.

ASSISTANT PROFESSOR MILES

* This course carries graduate credit in education but not in mathematics.

276. Probability.—Continuation of course 275. **3 s.h.**

ASSISTANT PROFESSOR MILES

280. Fourier's Series and Spherical Harmonics.—Prerequisite, course 100.
Either semester. **3 s.h.**

ASSISTANT PROFESSOR DALE

281. Elementary Potential Theory.—Prerequisite, course 100. **3 s.h.**

ASSISTANT PROFESSOR MILES

284. Vector Analysis.—Prerequisite, course 100. **3 s.h.**

PROFESSOR ELLIOTT

MUSIC

EDWARD HALL BROADHEAD

61-62. Elementary Harmony.—Open to men and women with the approval of the instructor. Primarily for sophomores. **6 s.h.**

63. History of Music to Beethoven.—Open to men and women. No prerequisite. **3 s.h.**

64. History of Music from Beethoven to the Present.—Open to men and women. No prerequisite. **3 s.h.**

PHILOSOPHY

PROFESSORS WIDGERY, CRANFORD, AND GILBERT, AND MR. McLARTY

Sophomores may take courses prescribed for juniors, and juniors may take courses prescribed for seniors by obtaining permission through the instructor.

98. Introduction to Ethics.—Sophomores and approved freshmen. **3 s.h.**

PROFESSOR GILBERT AND MR. McLARTY

101. Introduction to Philosophy.—**3 s.h.**

(w) PROFESSOR CRANFORD, (e) PROFESSOR GILBERT
MR. McLARTY

102. Continuation of 101.—**3 s.h.**

PROFESSOR CRANFORD AND MR. McLARTY

104. Logic.—**3 s.h.**

PROFESSOR GILBERT

105-106. Introduction to the History of Philosophy.—**6 s.h.**

PROFESSOR WIDGERY AND MR. McLARTY

107. Introduction to the Philosophy of Religion.—**3 s.h.**

PROFESSOR WIDGERY

[Not offered in 1934-1935]

- 201-202. The Philosophy of Art.—6 s.h.**
PROFESSOR GILBERT
- 203. The Philosophy of Conduct.—3 s.h.**
PROFESSOR CRANFORD
- 204. Christian Ethics.—3 s.h.**
PROFESSOR CRANFORD
- 205. The Philosophy of History.—3 s.h.**
PROFESSOR WIDGERY
- 209-210. The Philosophy of Religion.—6 s.h.**
PROFESSOR WIDGERY
- 211-212. The History of Philosophy.—6 s.h.**
PROFESSOR WIDGERY
[Not offered in 1934-1935]
- 213-214. History of Aesthetics.—6 s.h.**
PROFESSOR GILBERT
[Not offered in 1934-1935]
- 216. Contemporary Philosophy.—3 s.h.**
PROFESSOR WIDGERY
- 221. Spinoza.—3 s.h.**
PROFESSOR GILBERT
- 223-224. Idealism and Rationalism.—6 s.h.**
PROFESSOR CRANFORD
- 226. Outlines of the History of Ethics.—3 s.h.**
PROFESSOR WIDGERY
[Not offered in 1934-1935]
- 227. Hegel.—3 s.h.**
PROFESSOR GILBERT
[Not offered in 1934-1935]

PHYSICS

PROFESSORS EDWARDS AND HATLEY; ASSISTANT PROFESSORS CONSTANT AND NIELSEN; MESSRS. CARPENTER AND MOUZON; AND ASSISTANTS

The first course in physics deals largely with those fundamental facts and theories concerning the physical universe that are supposed to be of interest to every intelligent man, and the matter presented is within the comprehension of every college student.

The courses in physics after the first year are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

1-2. General Physics.—8 s.h.

PROFESSORS EDWARDS AND HATLEY, MR. CARPENTER,
AND ASSISTANTS

3-4. Pre-Medical Physics.—10 s.h.

PROFESSORS EDWARDS AND HATLEY, DRs. MOUZON AND
CARPENTER, AND ASSISTANTS

5-6. Physics for Engineers.—10 s.h.

DR. MOUZON AND STAFF

7-8. General Physics.—6 s.h.

PROFESSOR EDWARDS

9-10. Laboratory Exercises in Physics.—Physics 1-2 or 7-8 is a prerequisite or taken concurrently. **2 s.h.**

DR. CARPENTER AND ASSISTANTS

11-12. Laboratory Physics.—Physics 1-2 is a prerequisite or may be taken concurrently. **1 to 3 s.h.** (Credit of more than **1 s.h.** will be given only at the option of the instructor.)

DR. MOUZON AND STAFF

53. Electricity and Optics.—Physics 102 is a correlated laboratory course. Prerequisite, Physics 1-2. **3 s.h.**

PROFESSOR EDWARDS

54. Elementary Atomic Physics.—Prerequisites, Physics 1-2 and Math. 1-2. **3 s.h.**

PROFESSOR EDWARDS

55. Mechanics.—Prerequisites, Physics 1-2 and Math. 1-2. **3 s.h.**

DR. CARPENTER

56. Heat.—Prerequisite, Physics 1-2. **3 s.h.**

DR. CARPENTER

63. Household Physics.—**3 s.h.**

DR. CARPENTER

64. Teacher's Physics.—Prerequisite, Physics 1-2. **3 s.h.**

DR. CARPENTER

If less than ten students elect any one of the preceding courses, it may be withdrawn by the instructor.

101. Physics Problems.—Total possible credit **3 s.h.** Prerequisite, Physics 1-2.

DR. CARPENTER

102. Electrical Measurements.—A fundamental course in either electrical engineering, course 207, or course 53 is a prerequisite. **3 s.h.**

ASSISTANT PROFESSOR NIELSEN

FOR SENIORS AND GRADUATES

The following courses are arranged primarily for senior students but they are open to graduate students. An elementary knowledge of the calculus and credit for 12 semester-hours in Physics is presumed in all of the following courses.

201-202. Principles of Radio Transmission and Reception.—Prerequisite, Physics 53 or equivalent. 6 s.h.

DR. MOUZON

203-204. Analytical Mechanics.—6 s.h.

DR. MOUZON

205-206. Physical Optics.—6 s.h.

PROFESSOR HATLEY

207-208. Electricity and Magnetism.—6 s.h.

ASSISTANT PROFESSOR CONSTANT

209. Thermodynamics.—3 s.h.

ASSISTANT PROFESSOR NIELSEN

210. Introduction to the Quantum Theory.—Prerequisite, Physics 209. 3 s.h.

ASSISTANT PROFESSOR CONSTANT

211-212. History of Physics.—2 s.h.

PROFESSOR EDWARDS

Courses in Electrical Engineering open to students in Physics desiring minor work in Electrical Engineering.

257. Principles of Electrical Engineering: Advanced Alternating Currents.—Prerequisites, course 151-152, Mathematics 25, 30, and 231. 3 s.h.

PROFESSOR SCHEALER

258. Principles of Electrical Engineering: Advanced Alternating Current Machinery.—Prerequisite, Engineering 257. 6 s.h.

PROFESSOR SCHEALER

261-263. High-Frequency Alternating Currents.—Prerequisite, Math. 231. 6 s.h.

PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—Elective. Prerequisites, Physics 151-152 and Math. 231. 6 s.h.

PROFESSOR SEELEY

POLITICAL SCIENCE

PROFESSORS WILSON AND RANKIN, MESSRS. GIBSON AND SIMPSON

21-22. Principles of Citizenship.—Elective for freshmen; may not be offered in satisfaction of the minimum requirements in political science in the Business Administration Group. 6 s.h.

MR. SIMPSON

101-102. American Government and Politics.—*Open to sophomores by special permission.* 6 s.h.

PROFESSORS WILSON AND RANKIN AND MESSRS.
SIMPSON AND GIBSON

Course 101-102, for which Course 21-22 is *not* a prerequisite, is ordinarily taken before any advanced course in government. Students who have not had Course 101-102 or its equivalent may be admitted to advanced courses in the department only with the approval of the individual instructors concerned.

125. American Political Parties and Practical Politics.—3 s.h.

PROFESSOR RANKIN

164. Railroad Regulation in the United States.—3 s.h.

PROFESSOR WILSON

207. American Constitutional Law and Theory.—3 s.h.

PROFESSOR WILSON

209. State and Local Governments in the United States.—3 s.h.

PROFESSOR RANKIN

223. Political Thought to the Seventeenth Century.—3 s.h.

PROFESSOR WILSON

[Not offered in 1934-1935]

224. Modern Political Theory.—3 s.h.

PROFESSOR WILSON

[Not offered in 1934-1935]

225-226. Comparative Government.—6 s.h.

PROFESSOR RANKIN

227-228. International Law and International Organization.—6 s.h.

PROFESSOR WILSON

229. American Political Institutions.—3 s.h.

PROFESSOR RANKIN

[Not offered in 1934-1935]

294. Municipal Government and Administration.—3 s.h.

PROFESSOR RANKIN

PSYCHOLOGY

PROFESSORS MCDUGALL AND STERN*; ASSOCIATE PROFESSORS LUNDHOLM AND RHINE; AND ASSISTANT PROFESSORS ADAMS AND ZENER

101. Introduction to Psychology: (A) General Principles of Mental Activity and Growth.—3 s.h.

DRS. MCDUGALL, LUNDHOLM, AND RHINE

* For academic year 1934-1935.

102. Introduction to Psychology: (B) With Special Reference to the Life and Growth of Intellect.—This course is supplementary to 101, which course (or an equivalent) is a prerequisite for 102. **3 s.h.**

DR. ZENER

103. Introduction to Psychology: (C) Physiological, Experimental and Applied.—**3 s.h.**

DR. ZENER

104. Comparative Psychology.—**3 s.h.**

DR. ADAMS

107-108. Psychological Analysis of Prominent Characters in Literature.—Selected seniors and juniors only. **2 s.h.**

DR. LUNDHOLM

114. Psychology of Personality.—**3 s.h.**

DR. RHINE

201. Social Psychology.—**2 s.h.**

DR. McDOUGALL

[Not offered in 1934-1935]

202. Psychology of Aesthetics.—**3 s.h.**

DR. LUNDHOLM

207. Experimental Psychology.—**3 s.h.**

DR. ZENER

[Not offered in 1934-1935]

208. Neurological Foundations of Psychology.—**4 s.h.**

DR. ZENER

[Not offered in 1934-1935]

209. Advanced Laboratory Psychology.—**4 s.h.**

DR. ZENER

210. Physiological Psychology.—**3 s.h.**

DR. ZENER

212. Introduction to and Critical Survey of Parapsychology (Psychical Research).—**1 s.h.**

DR. RHINE

215. Child Psychology.—**3 s.h.**

DR. ADAMS

216. Seminar in Comparative Psychology.—**2 or 3 s.h.**

DR. ADAMS

[Not offered in 1934-1935]

217. Gestalt Theory.—**3 s.h.**

DR. ADAMS

[Not offered in 1934-1935]

219. History of Psychology.—2 s.h.

DR. MCDUGALL

221. Psychology of Suggestion and Hypnosis.—(Students admitted by consultation with instructor.) **2 s.h.**

DR. RHINE

[Not offered in 1934-1935]

223. Abnormal Psychology.—3 s.h.

DR. LUNDHOLM

221-232. Introduction to Research.—Selected seniors only. **2 or 3 s.h.**

DRS. MCDUGALL, STERN, LUNDHOLM, ZENER, RHINE, AND ADAMS

224. Laboratory Methods in Animal Psychology.—3 s.h.

DR. ADAMS

RELIGION

PROFESSORS MYERS, BRANSCOMB, CANNON, GARBER, HICKMAN, ORMOND,
RUSSELL,* SMITH, AND SPENCE; ASSISTANT PROFESSOR CRUM;
MR. CLARK AND MRS. SPENCE

The Department of Religion is divided into several sub-divisions. The purpose is to offer courses through which the college student, especially one looking forward to some form of Christian work, may secure a general view of the field of religion, both in theoretical and in practical phases.

Courses 1-2, 51-52, 54, 101-102, 105, 169-170, 203-204, 213-214, 215-216, 265, 270, 275-276, 281-282, and Philosophy 203 (Philosophy of Conduct)-204 (Christian Ethics) may be taken to fulfill the requirement in Religion.

1. The English Bible.—Required of all students majoring in Religion, and open to others as an elective in the freshman year. **3 s.h.**

PROFESSORS MYERS, SPENCE, AND ORMOND; ASSISTANT
PROFESSOR CRUM; AND MRS. SPENCE

2. The English Bible.—Required of all students majoring in Religion, and open to others as an elective in the freshman year. **3 s.h.**

PROFESSORS MYERS, SPENCE, AND ORMOND; ASSISTANT
PROFESSOR CRUM; AND MRS. SPENCE

51. The History of the Hebrew People.—For sophomores who have not had 1-2. **3 s.h.**

PROFESSOR MYERS, ASSISTANT PROFESSOR CRUM, AND MRS. SPENCE

52. New Testament Literature.—For sophomores who have not had 1-2. **3 s.h.**

PROFESSOR MYERS, ASSISTANT PROFESSOR CRUM, AND MRS. SPENCE

* On leave, 1933-1934.

54. Great Epochs in Church History.—For sophomores. 3 s.h.
 PROFESSOR GARBER
 [Not offered in 1934-1935]
101. The Social Teachings of the Prophets and Jesus.—3 s.h.
 PROFESSOR ORMOND
102. The Christian Church in the Social Order.—3 s.h.
 PROFESSOR ORMOND
103. The Prophets of the Old Testament.—3 s.h.
 PROFESSOR MYERS
104. The History and Religion of the Jews to the Roman Period.—3 s.h.
 PROFESSOR MYERS
105. Founders and Literatures of Great Religions.—3 s.h.
 PROFESSOR CANNON
 [Not offered in 1934-1935]
169. Character Problems.—3 s.h.
 ASSISTANT PROFESSOR CRUM
170. Religion and the Modern Home.—3 s.h.
 ASSISTANT PROFESSOR CRUM
- 203-204. Introduction to the Old Testament.—6 s.h.
 DR. CLARK
- 213-214. The Beginnings of Christianity.—6 s.h.
 PROFESSOR BRANSCOMB
215. The Life of Jesus.—3 s.h.
 PROFESSOR MYERS
 [Not offered in 1934-1935]
216. The Teaching of Jesus.—3 s.h.
 PROFESSOR MYERS
 [Not offered in 1934-1935]
265. Religious Drama.—3 s.h.
 PROFESSOR SPENCE
270. Masterpieces of Great Religious Literature.—3 s.h.
 PROFESSOR SPENCE
275. Introduction to the Psychology of Religion.—3 s.h.
 PROFESSOR HICKMAN
276. Advanced Psychology of Religion.—Prerequisite, course 275 or its equivalent. 3 s.h.
 PROFESSOR HICKMAN
281. The Nature and Early Development of Religion.—3 s.h.
 PROFESSOR CANNON

282. Living Religions of the World.—3 s.h.

PROFESSOR CANNON

203. The Philosophy of Conduct.—(See Department of Philosophy for description.) **3 s.h.**

PROFESSOR CRANFORD

204. Christian Ethics.—(See Department of Philosophy for description.) **3 s.h.**

PROFESSOR CRANFORD

ELECTIVE COURSES

All courses listed as acceptable in fulfilling the requirement in the Department of Religion are also open as electives for other students, with the exception of courses 1-2 and 51-52. After the requirements in Religion have been met, consent of the instructor must be secured to be admitted to the other courses in the group offered to meet the requirements in the Department.

131-132. American Christianity.—Prerequisite, History 1-2 or its equivalent. **6 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

161. The Educational Work of the Church.—3 s.h.

PROFESSOR SPENCE

163. Religious Education of Children.—3 s.h.

MRS. SPENCE

201-202. Introductory Hebrew.—6 s.h.

PROFESSOR ———

211-212. Hellenistic Greek.—6 s.h.

DR. CLARK

217. The New Testament in Greek.—Prerequisite, six semester-hours study of the Greek language. **3 s.h.**

DR. CLARK

218. Galatians and I Corinthians.—Prerequisite, New Testament 217 or its equivalent. **3 s.h.**

DR. CLARK

219. Life of Paul.—3 s.h.

PROFESSOR MYERS

[Not offered in 1934-1935]

220. I Peter and the Gospel of John.—Prerequisite, New Testament 217 or its equivalent. **3 s.h.**

DR. CLARK

233. Church History to the Reformation.—3 s.h.

PROFESSOR GARBER

234. History of the Evangelical Movement.—3 s.h.	PROFESSOR GARBER
251. The Rural Church and Sociology.—3 s.h.	PROFESSOR ORMOND
252. Rural Church Administration.—3 s.h.	PROFESSOR ORMOND
261. An Educational Approach to Religion.—3 s.h.	PROFESSOR SMITH
262. Organization of Religious Education.—3 s.h.	PROFESSOR SPENCE
263. Curriculum of Religious Education.—3 s.h.	PROFESSOR SPENCE
264. Technic of Teaching Religion.—3 s.h.	PROFESSOR SPENCE
283. Expansion of Christianity.—3 s.h.	PROFESSOR CANNON
[Not offered in 1934-1935]	
284. Principles of Missions.—3 s.h.	PROFESSOR CANNON

ROMANCE LANGUAGES

PROFESSORS WEBB, COWPER, AND JORDAN; ASSOCIATE PROFESSOR LUNDEBERG;
ASSISTANT PROFESSORS WALTON AND YOUNG; MESSRS. BRIDGERS, DAVIS,
AND QUVNN, MISS RAYMOND; AND ASSISTANTS

The courses in French from 1 to 54 inclusive (and 87-88) are for the general student. They give a reading knowledge of standard French and furnish an introduction to French life and letters. Courses 55-56, 107, and 217 offer training in the French language. The literary courses are devoted to the systematic study of classical and modern French literature. Advanced students are offered an introductory course in Old French philology and literature. Those planning to teach will find in course 218 a treatment of the materials and methods of High-School French.

An intensive course in Italian, offered to well-qualified students, includes the reading of Dante's *Inferno*.

The courses in Spanish from 1 to 4 and from 65 to 70 inclusive are for the general student. These courses have as objective: a reading knowledge of the language, training in oral and written Spanish, and an introduction to Spanish literature, life and customs. Course 151 offers more intensive training in the spoken and written language. The literary courses, 261 to 266 inclusive, are devoted to study and interpretation of modern and classical literature.

The requirements of effective teaching may make it necessary to limit the enrollment in Spanish 1 and 2.

FRENCH**1-2. Elementary French.—6 s.h.**

ASSISTANT PROFESSOR WALTON, MR. BRIDGERS, AND MISS RAYMOND

3-4. French Prose.—6 s.h.PROFESSORS WEBB, COWPER, AND JORDAN; ASSISTANT PROFESSOR YOUNG; DR. DAVIS, MR. BRIDGERS, AND MISS RAYMOND
Prerequisites, French 1 and 2 or two years of high-school French.**51. Introduction to French Literature.—3 s.h.**PROFESSOR COWPER; ASSISTANT PROFESSORS WALTON AND YOUNG; DR. DAVIS, AND MR. BRIDGERS
Prerequisites, French 3 and 4 or equivalent.**52. Introduction to French Literature.—3 s.h.**PROFESSOR COWPER; ASSISTANT PROFESSORS WALTON AND YOUNG; DR. DAVIS; AND MR. BRIDGERS
Prerequisite, French 51.**53. French Civilization.—3 s.h.**PROFESSORS WEBB AND JORDAN; MR. QUYNN
Prerequisites, French 3 and 4 or equivalent.**54. French Civilization.—3 s.h.**PROFESSORS WEBB AND JORDAN; MR. QUYNN
Prerequisite, French 53.*Students will take 51-52 or 53-54. Credit in these courses is limited to six semester-hours.***55. Exercises in Spoken French.—1 s.h.**

MISS RAYMOND AND ASSISTANT

56. Exercises in Spoken French.—1 s.h.

MISS RAYMOND AND ASSISTANT

87-88. French Writers of the Romantic Period.—6 s.h.DR. DAVIS
Prerequisites, French 51-52 or 53-54. May not be taken by students taking or who have taken French 108.**107. French Composition.—3 s.h.**PROFESSOR COWPER, DR. DAVIS, AND MISS RAYMOND
Prerequisites, 51-52 or 53-54.**108. The French Romantic Movement.—3 s.h.**PROFESSOR COWPER, DR. DAVIS, AND MISS RAYMOND
Prerequisites, 51-52 or 53-54.**109. Molière.—3 s.h.**

PROFESSOR WEBB

[Not offered in 1934-1935]

110. Poems of Victor Hugo.—3 s.h.

PROFESSOR WEBB

[Not offered in 1934-1935]

111. French Drama Since 1850.—3 s.h.

ASSISTANT PROFESSOR YOUNG

Prerequisites, 51-52 or 53-54.

112. French Drama Since 1850.—3 s.h.

ASSISTANT PROFESSOR YOUNG

Prerequisites, 51-52 or 53-54.

113. French Classicism.—From Malherbe to La Bruyère. 3 s.h.

ASSISTANT PROFESSOR WALTON

Prerequisites, 51-52 or 53-54.

114. French Classicism.—From La Bruyère to the Encyclopédistes and Beaumarchais. 3 s.h.

Prerequisites, 51-52 or 53-54.

215-216. The Modern French Novel.—6 s.h.

PROFESSOR JORDAN

Prerequisites, 6 s.h. from courses 87 to 114 inclusive.

217. The French Language.—3 s.h.

PROFESSOR WEBB

Prerequisites, 107 or equivalent.

218. Materials and Methods.—3 s.h.

PROFESSOR WEBB

Prerequisites, 107 or equivalent.

219. Old French.—An introduction to the Old French language and literature. 3 s.h.

PROFESSOR COWPER

220. Old French.—Types of Old French literature. 3 s.h.

PROFESSOR COWPER

[Not offered in 1934-1935]

231. Rousseau and the Beginnings of Romanticism.—3 s.h.

PROFESSOR COWPER

[Not offered in 1934-1935]

ITALIAN**181-182. Italian.—6 s.h.**

PROFESSOR WEBB

SPANISH**1-2. Elementary Spanish.—6 s.h.**

ASSISTANT PROFESSOR YOUNG AND DR. DAVIS

3-4. Intermediate Spanish.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG AND MESSRS.
BRIDGERS AND QUYNN

Prerequisites, Spanish 1-2 or two years of high-school Spanish.

65. Introduction to Spanish Literature.—3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG AND MR. QUYNN

Prerequisites, Spanish 3-4 or equivalent.

66. Introduction to Spanish Literature.—3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG AND MR. QUYNN

Prerequisites Spanish 65 or equivalent.

69. Intermediate Composition.—1 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

Prerequisites, Spanish 3-4 or equivalent.

[Not offered in 1934-1935]

70. Intermediate Conversation.—1 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

Prerequisite, Spanish 69.

[Not offered in 1934-1935]

151. The Spanish Language.—3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

Prerequisites, 65-66 or 3-4 with permission.

152. Spanish-American Literature.—3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

Prerequisites, 65-66 or 3-4 with permission.

261-262. The Modern Spanish Novel.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1934-1935]

263-264. The Modern Spanish Theater.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1934-1935]

265-266. Literature of the Golden Age.—6 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

SOCIOLOGY

PROFESSORS ELLWOOD AND JENSEN

101. General Sociology.—This course is repeated each semester and is prerequisite to all other courses in Sociology. **5 s.h.**

PROFESSOR ELLWOOD

102. General Sociology.—The same course as 101. **5 s.h.**

PROFESSOR ELLWOOD

205. **Social Pathology.**—3 s.h.
PROFESSOR JENSEN
206. **Criminology.**—3 s.h.
PROFESSOR JENSEN
212. **Child Welfare.**—3 s.h.
PROFESSOR JENSEN
213. **Constructive Social Policies.**—2 s.h.
[Not offered in 1934-1935]
215. **Rural Sociology.**—3 s.h.
[Not offered in 1934-1935]
216. **Urban Sociology.**—3 s.h.
PROFESSOR JENSEN
217. **General Anthropology.**—3 s.h.
PROFESSOR ELLWOOD
218. **Cultural Anthropology.**—3 s.h.
PROFESSOR ELLWOOD
227. **Emigration and Immigration.**—3 s.h.
PROFESSOR JENSEN
[Not offered in 1934-1935]

ZOOLOGY

PROFESSORS PEARSE, CUNNINGHAM, HALL, AND HARGITT; ASSISTANT
PROFESSORS GRAY AND HOPKINS; AND ASSISTANTS

Students majoring in zoölogy should take courses in the following
order: First Year: 1, 2; Second Year: 53, 74; Third and Fourth Years:
151, 161, 156, 192.

1. **General Zoölogy.**—4 s.h.
PROFESSOR CUNNINGHAM AND ASSISTANTS
2. **General Zoölogy.**—Prerequisite, Zoölogy 1. 4 s.h.
ASSISTANT PROFESSOR GRAY AND ASSISTANTS
53. **Comparative Vertebrate Anatomy.**—Prerequisite, one year of zoölogy. 4 s.h.
ASSISTANT PROFESSOR GRAY
74. **Comparative Anatomy of the Invertebrates.**—Prerequisites, Zoölogy
1 and 2. 4 s.h.
ASSISTANT PROFESSOR HOPKINS
92. **Embryology for Premedical Students.**—Prerequisite, one year of zoölogy. 4 s.h.
PROFESSOR CUNNINGHAM AND ASSISTANTS

107. Evolution and Heredity.—This course does not count as a laboratory science. No prerequisite. **3 s.h.**

PROFESSOR HALL

151. Comparative Physiology.—Prerequisite, one year of zoölogy. **4 s.h.**

PROFESSOR HALL

156. Vertebrate Histology.—Primarily for major students in zoölogy and not recommended for premedical students since a similar course is given in the first-year medical curriculum. Prerequisite, Zoölogy 53. **4 s.h.**

PROFESSOR HARGITT

161. Animal Parasites.—Prerequisite, one year of zoölogy. **4 s.h.**

PROFESSOR PEARSE

192. Comparative Embryology.—Prerequisite, Zoölogy 53 or equivalent. **4 s.h.**

PROFESSOR CUNNINGHAM

215. Cytology.—Prerequisites, Zoölogy 1, 2, and 156 or equivalent.

ASSISTANT PROFESSOR HOPKINS

219-220. Special Problems.—Students who have had proper training may carry on special work under the direction of members of the faculty.

THE STAFF

222. Entomology.—Prerequisite, one year of zoölogy. **4 s.h.**

ASSISTANT PROFESSOR GRAY

227. Experimental Embryology.—**2 or more s.h.**

PROFESSOR CUNNINGHAM

228. Endocrinology.—**2 or more s.h.**

PROFESSOR CUNNINGHAM

[Not offered in 1934-1935]

GENERAL REGULATIONS

The academic year is divided into two semesters. The first semester of the academic year 1934-1935 begins September 19; the second, January 31. Commencement is held on Tuesday and Wednesday after the first Sunday in June.

MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission or examination. Cards of admission must be presented at the Treasurer's office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card.

COURSE-CARDS

Members of the freshman, sophomore, and junior classes are required to submit to the Dean, not later than May 1, cards showing their selection of courses for the following year. These cards must be approved by the Dean.

EXAMINATIONS

Mid-year and final examinations are held in all subjects in January and May respectively. The examination record, combined with the record made in class, constitutes the student's final grade.

REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty: Grades shall be reported so as to indicate one of four things: (1) *Passed*. A grade of "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students (with incomplete grades) who have not satisfied the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of three dollars to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused, and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades) who have not satisfied the requirements of the department concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

Excuses for absences from examinations are handled in the same manner as excuses for absences from class.

EXPLANATION OF THE QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester-hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each semester-hour of credit. The grade "A" gives three quality-points for each semester-hour of credit; the grade "B" two

quality-points; the grade "C" one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester-hour of failure. Credit for 122 quality-points, exclusive of those earned in physical education, is required for the degree of bachelor of arts or bachelor of science in all groups.

NUMBER OF HOURS OF CLASS WORK

No undergraduate student is allowed to take less than fourteen hours of class work a week without special permission of the Dean.

No undergraduate student may take more than the normal amount of work in one semester if he fails to make an average grade higher than "C" on the work of the preceding semester.

CLASS STANDING

For a student to rank as a sophomore, he must have to his credit twenty-four semester-hours with an average grade of "C"; as a junior, fifty-six semester-hours with an average grade of "C"; as a senior, ninety semester-hours, with an average grade of "C."

SENIOR WORK

A student of the senior class, irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete his work of the senior year with an average grade of "C" or better.

EXCLUSION FOR FAILURE

A student of the freshman class is not permitted to remain in the University in the second semester unless he passes as much as six semester-hours of the work of the first semester; a student of any one of the three other classes is not permitted to remain in the University in the second semester unless he passes as much as nine semester-hours of work in the first semester.

A student of the freshman class is not permitted to re-enter in September, nor to enter Summer School, if he did not pass at least eighteen semester-hours of the work in the previous year; a student of any one of the three other classes is not permitted to re-enter in September, nor to enter the Summer School, if he did not pass at least nine semester-hours of work in the second semester of the previous year and a total of eighteen semester-hours of work for the entire year.

STUDENT'S TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester-hours with which they are credited, provided their grades warrant it.

DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty :

1. Any freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 3 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

SCHOLARSHIP REGULATIONS FOR ATHLETIC AND OTHER ORGANIZATIONS

The following regulations have been adopted by the Faculty :

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the

opinion of the Dean, he is not doing satisfactorily his current work.

REGULATIONS GOVERNING ATHLETIC ELIGIBILITY

Duke University is a member of the Southern Intercollegiate Athletic Conference. The athletic eligibility regulations of the University comply with the rules governing members of that Conference.

THE ATHLETIC COUNCIL

The Board of Trustees, at its regular annual meeting in June, 1907, created an athletic council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni resident in the city of Durham, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This Committee alone has the responsibility of enforcing the scholastic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed on the two preceding pages of this catalogue.

The Executive Committee of the Athletic Council is composed of the chairman of the faculty committee on athletics, and one other faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and towards student bodies of other educational institutions; through athletic sports to help to cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the Council recommends to the President of the University persons to serve as graduate manager of athletics and as coaches in the various

sports. However, the election of such persons rests solely with the Trustees of the University or the Executive Committee of the Trustees, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the College Treasurer. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Council on Public Lectures. All dates and programs must be approved by this Council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.

HEALTH AND PHYSICAL EDUCATION

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

MEDICAL CARE

With the exceptions noted below full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of five dollars payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University physician with the coöperation of the staffs of the infirmaries (one on each campus) and the University hospital. It includes hospitalization, medical and surgical care, drugs, dressings, X-ray work, and ward nursing. A charge for board is made at the same rate as in the University

dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic ill conditions, such as the removal of diseased tonsils, are not included in this service. The cost of any necessary braces and orthopedic appliances as well as of special nursing must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have the attention of the Director at his two daily visits to the infirmaries, which have day and night nurses on duty. Students developing serious conditions are promptly transferred from the infirmaries to the university hospital, where they come under the care of the staff of the hospital.

A questionnaire is sent out from the office of the Director of Student Health in the spring to all prospective students, advising certain medical and surgical care by their home physician or surgeon, such as the giving of typhoid or smallpox vaccine, removal of diseased tonsils, correction of errors of refraction, repair of a hernia, or removal of a chronic appendix. Important time is frequently lost in correcting these conditions after entrance into college; and the cost for this work must be borne by the student.

When the student comes to the University, he is given as careful a physical examination as is possible at the time. Any physical defects are recorded along with the record of the questionnaire from the family physician. Frequently early cases of pulmonary tuberculosis or other disease is found, and X-rays and special observations and study become necessary for the best welfare of the ill student and those about him.

PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS

TRINITY COLLEGE

The University requires all students to engage in some type of physical activity for two years or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation. The aims of this work are to improve body-control and strength through big muscle activities, to stimulate the development of mental and physical alertness,

to establish habits of regular exercise, and to give training and experience in various kinds of recreational sports that will be indulged in after the student graduates from the University.

Intramural sports are fostered and promoted in all lines of athletic activity. Meets, tournaments, and leagues are seasonally organized in the different sports. All students in the University are eligible to enjoy the intramural privileges, provided they comply with the intramural rulings. Participation in these activities is entirely voluntary, but it is very popular because it provides an opportunity for every boy to enter into competition and recreation in those sports which he enjoys most.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, boxing, wrestling, tennis, and golf.

WOMAN'S COLLEGE

The health of the students is under the care of the University Physician, the Resident Nurse, and the Director of Physical Education. Daily office hours are held for consultation, and every student may have free advice on all matters pertaining to her health. All cases of minor illness are cared for in a well-equipped Infirmary on the Woman's College Campus and more serious cases are sent to the Duke Hospital where special rates are given to University students.

A medical and physical examination is required of each student upon entrance and follow-up examinations are given as needed. These examinations are used as a basis for determining the type of physical exercise a student should take and any other corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities. It is the aim of the Department to develop in the student, not only physical ability, but, more especially, proper habits of living in order that her work may be carried on to the best advantage.

In addition to the required work in Physical Education there are intramural activities sponsored by the Woman's Athletic Association, and opportunities for the use of the swimming pool, tennis courts, athletic fields, and other sports equipment.

RELIGIOUS EXERCISES

Chapel exercises are conducted on Tuesday, Wednesday, and Friday throughout the academic year at 11:40 A.M. on the campus for men and at 11:20 on the campus for women. During the Monday chapel period all students meet by classes to confer with their respective faculty class-advisers. On each Thursday at 11:40 A.M. the College Assembly is held in the Page Auditorium, and all undergraduate men are required to be present. Preaching services are held on Sunday at 11:00 A.M. in the University Chapel. Organ recitals are given on Sunday afternoons. During the summer sessions carillon recitals are given twice a week.

UNIVERSITY LECTURES AND PUBLICATIONS

THE AVERA BIBLE LECTURES

At intervals of two years a series of lectures is given under the auspices of the Avera Department of Biblical Literature. This series of lectures was established in 1897.

JOHN MCTYEIRE FLOWERS LECTURES

The John Mctyeire Flowers lectures, established by Mr. B. N. Duke as a memorial to John Mctyeire Flowers, a young alumnus of Trinity College who died in the Far East in 1905, were inaugurated in 1921.

FACULTY LECTURES

Occasional lectures are given each year by members of the Faculty or by visitors. These lectures are under the supervision of the faculty committee on public lectures.

DUKE UNIVERSITY DAY

In commemoration of the signing by the late James B. Duke, on December 11, 1924, the indenture setting up the Duke Endowment, under which Trinity College was expanded into Duke University, special services are held at the University and by various Alumni Clubs on this anniversary.

THE DUKE UNIVERSITY PRESS

Prior to 1925 Trinity College had supported the publication of *The South Atlantic Quarterly*, the *Historical Papers of the Trinity College Historical Society* as well as its *John Lawson Monographs*, and a few scholarly books.

With the establishment of Duke University, the trustees of the University authorized the organization of the Duke University Press as an agency for publishing contributions to knowledge in the fields of scholarship represented in the Uni-

versity. To the publications of Trinity College already established, in 1926 was added *The Hispanic American Historical Review*; in 1929, *American Literature*; in 1930, *Ecological Monographs*; and in 1932, *Character and Personality*. These periodicals are edited with the coöperation of scholars of Duke University and other institutions. The number of volumes annually published has increased, fifty titles having appeared since 1925.

ALUMNI ORGANIZATIONS

GENERAL ALUMNI ASSOCIATION

The Alumni Association of Duke University is composed of the male graduates and former students of Trinity College and Duke University. The Association gives its annual luncheon on Tuesday of Commencement Week at which a message of greeting is given by a representative of the class holding its twenty-fifth anniversary reunion. The annual business meeting of the Association is held at this time.

GENERAL ALMUNAE ASSOCIATION

The Alumnae Association of Duke University is composed of the women graduates and former students of Trinity College and Duke University. The Association joins with the Alumni Association in the annual luncheon on Tuesday of Commencement week, holding its annual business meeting immediately afterward.

GENERAL ALUMNI COUNCIL

To give definite direction and supervision in the campaign for the erection of the Alumni Memorial Gymnasium, and for other purposes, an Alumni Council was provided for at the June, 1919, meeting of the Alumni Association. Since that time the Council has developed into a working body for the promotion of alumni interests by reason of its size and frequency of meetings. The membership is made up of representatives from local associations; class representatives, elected by reunion classes on the occasion of their fifth anniversary, or a multiple thereof; and officers of the Alumni Association.

GENERAL ALMUNAE COUNCIL

At the June, 1925, meeting of the Alumnae Association the Alumnae Council was organized to function in a manner similar to that of the Alumni Council, in the interest of the former

women students and of the University. Its purpose and form of organization is very much the same as that of the Alumni Council.

THE ALUMNI OFFICE

The General Alumni Office was organized to promote the work of the local alumni and alumnae associations and to coordinate the various activities of the General Alumni and Alumnae Associations and the General Alumni and Alumnae Councils. Sixty-three county and local alumni associations have been formed in North Carolina and other states.

DUKE UNIVERSITY NEWS SERVICE

The Duke University News Service is the official publicity bureau of the University for the purpose of sending out news to the press.

THE ALUMNI REGISTER OF DUKE UNIVERSITY

The Alumni Register of Duke University is a monthly magazine published by the Alumni Association in the interest of the alumni and the University. It aims to keep the alumni in touch with one another and with the University.

APPOINTMENTS OFFICE

With the coöperation of the Alumni Office, the University maintains an Appointments Office to serve graduates and advanced students of the institution on the one hand, and those who desire well-qualified persons for teaching and commercial positions on the other hand. The Appointments Office is divided into two sections: (1) the Division of Teacher Placement and (2) the Commercial Positions Division. There is a chairman in charge of each of these divisions, and a central Appointments Office for both is maintained in the Administration building in charge of a full-time secretary.

FEEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room rent—See the detailed statement that follows.	
Athletic fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage fee, payable annually at the time of first registration....	1.00
Medical fee, per semester.....	5.00
Library fee, per semester.....	5.00
Commencement fee, payable annually at the beginning of the second semester.....	3.00
Publication fee:	
First semester.....	2.50
Second semester.....	3.00
Diploma fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded...	5.00

(For laboratory and materials fees, consult Bulletin of Undergraduate Instruction.)

TEACHERS TAKING COLLEGE COURSES

Teachers in near-by schools, taking one or two courses are required to pay a registration fee of \$5 each semester and a tuition fee of \$3 per semester-hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$543.50 to \$638.50.

The athletic and publication fees, also included in the above figures, while not essentially University fees, are at the request of the students collected by the Treasurer of the University as designated above. The proceeds of these fees are turned over to these distinct and separate student activities. The athletic fee entitling the holder to admission to all athletic contests held on the University grounds, is collected from all regularly enrolled students. The publication fee pays for a blanket subscription to the weekly student newspaper, the monthly student magazine, and the annual student year-book. With all undergraduates this charge is compulsory, but in the case of graduate students it is optional.

ROOMS**ROOM RENT FOR MEN OF DUKE UNIVERSITY**

West Campus, per semester.....	\$50.00, \$62.50, and \$75.00
East Campus, per semester.....	\$30.00 and \$50.00

ROOM RENT IN WOMEN'S COLLEGE

Single room, per student, per semester.....	\$75.00
Two-room suite (for two students), per student, per semester....	75.00
Double room, per student, per semester.....	50.00
Double room, Jarvis House, per student, per semester.....	30.00

RESIDENCE HOUSES

Trinity College.—On the West Campus there are three groups of residence houses, each group forming a quadrangle enclosing a court. These groups of houses are designated as Craven, Crowell, and Kilgo Quadrangles. They contain ample rooming quarters for all the men students.

Woman's College.—The five residence houses on the East Campus are Alspaugh, Pegram, Bassett, Joseph G. Brown, and Jarvis. Upon request to the Director of the Business Division, College Station, Duke University, a plan of the residence houses will be sent. The resident students have a right to retain their rooms for the ensuing year or to draw for new ones in the order of their classes, beginning with the seniors. The new students are then assigned to the remaining rooms, and, so far as possible, to the type of room they prefer. Every effort is made to provide congenial roommates.

The students' rooms are single, double, or arranged in suites of two rooms for two students, and are supplied with all necessary furnishings except curtains, towels, sheets, pillow-slips, blankets, and heavy bed coverings. Sash curtains of a standard kind are required and may be bought at the college store or made by the student according to specifications. Draperies and rugs may be brought from home or may be bought at reasonable rates at the college store or in town.

BOARDING ACCOMMODATIONS

Trinity College, West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barber Shop, and all publication staff offices.

In addition to the Union dining halls a Coffee Shop is operated for the convenience of students and visitors.

Woman's College, East Campus.—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman student is permitted to board elsewhere than at this Union. Board is \$112.50 per semester.

LAWS REGULATING PAYMENTS

The Executive Committee of the Trustees of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend, or in any way alter these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parent or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties if his bills are not paid on the dates advertised.

PUBLICATIONS COUNCIL

The Publications Council was authorized by the Trustees at the mid-year meeting in 1926-27. This council has control of the undergraduate publications. It is composed of three members of the Faculty appointed by the President, two alumni elected by the Alumni Council, representatives of the student body and the different publications. A publication fee of \$5.50 was authorized by the Trustees to be collected from each undergraduate, \$2.50 payable at the beginning of the fall semester and \$3.00 at the beginning of the spring semester.

SCHOLARSHIPS AND OTHER SOURCES OF AID

UNDERGRADUATE SCHOLARSHIPS

Ten scholarships paying tuition are offered to undergraduates. Five are held by members of the sophomore class and five by members of the junior class. Sophomore scholarships are awarded at the end of the freshman year and junior scholarships at the end of the sophomore year. They are awarded on the basis of the applicant's character and promise as indicated by his work in college.

The University reserves the right at any time to withdraw a scholarship from a student who does not make worthy use of it.

ANGIER B. DUKE MEMORIAL SCHOLARSHIPS

The Angier B. Duke Memorial, Incorporated, awards four scholarships with an annual value of \$250 each to undergraduate students in Duke University. *The Angier B. Duke Memorial* also administers through an advisory committee of the officers of the University a loan fund of \$1,250,000.

Applications for scholarships should be made to the Scholarship Committee, Secretary's Office, Duke University Station.

LOAN FUNDS

In addition to the *Angier B. Duke Memorial* loan fund, the University administers other endowed loan funds for the benefit of students who are not financially able to meet their expenses. The loan funds are kept by the Treasurer as funds separate and distinct from all other endowments and holdings of the University and are used for no other purpose than to aid worthy students of the University.

SPECIAL TUITION SCHOLARSHIPS

The *J. A. Odell*, *J. M. Odell*, *George W. Watts*, *Herbert J. Bass*, *C. W. Toms*, *Arthus Ellis Flowers*, *Heath*, *Weatherby*,

Banks-Bradshaw, McMullan, Elisha Cole, E. M. Cole, John T. Ring, A. D. Betts, John W. Neal, Jr., Moore, Parish, and Mary Newby Toms scholarships are open to undergraduate students.

CANDIDATES FOR THE MINISTRY

Candidates for the ministry who enter college with approved records may have their tuition remitted, but in that case they are required to give their notes for tuition. If they enter the regular ministry within three years after leaving college, these notes will be surrendered to them; otherwise, the notes will be collected.

HONORS AND PRIZES

HONORS

All students in the freshman and sophomore classes who earn 6 "A's" and 4 "B's" during the year are given honors.

Students who have shown exceptional attainments in a group of studies covered by the work of one of the departments of the University may become candidates for honors in that department at graduation.

The degree of bachelor of arts or bachelor of science with distinction is conferred under the following rules:

Students who have completed three or four years of work in Duke University are eligible for general honors at graduation. Those who have completed the entire four years of their college work in Duke University and who have earned 318 quality-points (3/5 "A's" and 2/5 "B's"—249 quality-points if they have completed as much as three years of their college work in Duke University) are recommended for a degree *magna cum laude*; those who have earned 378 quality-points (42 "A's") in the four years (288 quality-points [32 "A's"] in three years) are recommended for a degree of *summa cum laude*.

MEDALS AND PRIZES

A number of medals and prizes are awarded annually. (For a description of these, see Bulletin of Undergraduate Instruction.)

STUDENT ORGANIZATIONS AND ACTIVITIES

The Men's Association of Duke University comprises all men students in the University. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of seven members: three from the senior class, two from the junior class, one from the sophomore class, and one from the graduate school.

The Women's Student Government Association is similar in character to the Men's Association. Its council is composed of the officers of the association and *ex-officio* of the Y. W. C. A. president and an undergraduate representative.

The Young Men's Christian Association and the *Young Women's Christian Association* are student branches of the national Christian Association.

Other organizations and activities include the following:

The Student Volunteer Band

The Ministerial Association

The Religious Education Association

The Symphony Orchestra

Duke University Band

The Men's Glee Club

Women's Glee Club

The Duke Players

The White Witch Dramatic Club

The Chronicle (weekly newspaper)

The Archive (monthly literary magazine)

The Chanticleer (year-book)

The Trinity College Historical Society

The Classical Club

The Distaff (woman's literary magazine)

The Duke University Dames Club

The Physics Club

The W. H. Pegram Chemistry Club

The French Club

The Polity Club

The Crowell Scientific Society
The Cosmopolitan Club
The Debate Council
The Columbian Literary Society
The League of Women Voters
The Junior Big Sisters
The Duke Bar Association
Order of Sandals
The Mathematics Club
The Forum Club
The Town Girls Organization
The Women's Athletic Association

Several honorary orders and fraternities exist at Duke University as follows:

Phi Beta Kappa
Sigma Xi (National Scientific Society)
Tau Kappa Alpha (National Forensic Fraternity)
Sigma Upsilon (National Literary Fraternity)
Kappa Delta Pi (National Education Fraternity)
Theta Alpha Phi (National Dramatic Fraternity)
Lambda Phi Gamma (National Music Fraternity)
Sigma Pi Sigma (National Physics Fraternity)
Phi Sigma (National Biological Fraternity)
The Order of the Coif (National Legal Scholarship Fraternity)
Sigma Tau Delta (National English Fraternity)
Sigma Nu Phi (National Law Fraternity)
Alpha Kappa Psi (National Economics Fraternity)
Gamma Eta Gamma (National Law Fraternity)
Phi Delta Phi (International Law Fraternity)
Iredell Law Club (Local Law Club)
Delta Upsilon Beta (Local Band Fraternity)
Iota Gamma Pi (Local Scientific Fraternity)
Chi Delta Phi (National Literary Society)
Delta Phi Rho Alpha (Local Sorority fostering college spirit, especially athletics)
Nereidian Club (Swimming)
Nu Sigma (Local Biological Sorority)

American Institute of Electrical Engineers (Duke University Branch)

American Society of Civil Engineers (Duke University Student Chapter)

Duke University Society of Mechanical Engineers

Delta Epsilon Sigma (Local Honorary Engineering Society)

Red Friars

Omicron Delta Kappa

White Duchy

The Tombs

The 9019

EKO-L

Pi Gamma Mu

Beta Omega Sigma

Delta Phi Alpha

The following social fraternities have chapters at Duke University:

Alpha Tau Omega

Kappa Sigma

Kappa Alpha

Pi Kappa Alpha

Sigma Phi Epsilon

Pi Kappa Phi

Sigma Chi

Delta Sigma Phi

Lambda Chi Alpha

Phi Delta Theta

Delta Tau Delta

Phi Sigma Delta

Sigma Alpha Epsilon

Sigma Nu

Pi Epsilon Pi (local)

Sigma Tau Alpha (local)

Sigma Delta (local)

Sigma Alpha

Omega (local)

Keyes Club (local)

The Dons

The Women's Pan-Hellenic Council, composed of three members from each sorority on the campus, governs sorority affairs. The sororities represented at Duke University are:

Alpha Delta Pi

Kappa Delta

Zeta Tau Alpha

Kappa Alpha Theta

Kappa Kappa Gamma

Sigma Kappa

Pi Beta Phi

Delta Delta Delta

Nu Beta Phi (local)

THE GRADUATE SCHOOL
OF ARTS AND SCIENCES

1933-1934
ANNOUNCEMENTS FOR 1934-1935

OFFICERS OF ADMINISTRATION

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., LL.D.
President

ROBERT LEE FLOWERS, A.M., LL.D.
Vice-President in the Business Division

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.
Vice-President in the Educational Division

WILLIAM HENRY GLASSON, Ph.B., Ph.D.
Dean of the Graduate School of Arts and Sciences

ROBERT STANLEY RANKIN, A.B., M.A., Ph.D.
Assistant Dean of the Graduate School

ROBERT LEE FLOWERS, A.M., LL.D.
Secretary and Treasurer

FRANK CLYDE BROWN, A.B., A.M., Ph.D.
Comptroller

CHARLES BLACKWELL MARKHAM, A.B., A.M.
Assistant Treasurer

JOSEPH PENN BREEDLOVE, A.B., A.M.
Librarian

COUNCIL ON GRADUATE INSTRUCTION

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., LL.D.
President of the University, ex officio

WILLIAM HENRY GLASSON, Ph.B., Ph.D.
Dean of the Graduate School of Arts and Sciences

PAULL FRANKLIN BAUM, A.B., A.M., Ph.D.

*WILLIAM KENNETH BOYD, A.B., A.M., Ph.D.

WILLIAM ARTHUR BROWNELL, A.B., A.M., Ph.D.

CHARLES ABRAM ELLWOOD, Ph.B., Ph.D., LL.D.

PAUL MAGNUS GROSS, B.S., A.M., Ph.D.

GEORGE THOMAS HARGITT, Ph.B., A.M., Ph.D.

WILLIAM McDOUGALL, M.A., D.Sc., Litt.D.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D.

WILLIAM PERLZWEIG, B.S., A.M., Ph.D.

JAMES FRED RIPPY, A.B., A.M., Ph.D.

**ELBERT RUSSELL, A.B., A.M., Ph.D.

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.

ALBAN GREGORY WIDGERY, B.A., M.A.

* On leave, spring, 1934.

** On leave, 1933-1934.

GRADUATE INSTRUCTION IN DUKE UNIVERSITY

GENERAL STATEMENT

Prior to 1916 there was no separate organization within Trinity College to promote and supervise graduate studies. However, there had been for many years a limited number of graduate students who completed a year of post graduate work and received the degree of master of arts. The work of such students was supervised through the office of the Dean of Trinity College. Many of these graduate students went out from Trinity College to continue their studies at other colleges and universities and later achieved distinction as teachers and scholars.

In September, 1916, President Few appointed a Committee on Graduate Instruction to deal with the problems involved in the promotion and administration of graduate work. In that year there were six graduate students in the College, and seven graduates of the College were enrolled in the professional School of Law. During and immediately after the World War the number of graduate students remained small, but by the year 1923-1924 the graduate enrollment had increased to thirty-five exclusive of the college graduates enrolled in the School of Law.

The growing importance of graduate work in Trinity College caused the Committee on Graduate Instruction, during the first semester of the year 1923-1924, to make a careful study of requirements for admission to graduate work, of requirements for advanced degrees, and of other conditions affecting standards of graduate instruction. A comprehensive report was prepared by the Committee and adopted by the faculty. Provision was made for the granting of two advanced degrees, master of arts and master of education. Regulations were adopted which increased the distinction between graduate and undergraduate work. A thesis requirement was made for every candidate for a graduate degree, and provision was made for the examination of theses by faculty committees. The Committee on Graduate

Instruction undertook a closer supervision of graduate courses and of the work of graduate students.

Thus, when Trinity College became Duke University in December, 1924, noteworthy progress had already been made in organizing a graduate department with advanced courses in many fields of study and with high standards. In accepting Mr. Duke's great benefaction, the Trustees definitely included a Graduate School of Arts and Sciences as a member of the University organization.

In the academic year 1926-1927 a Council on Graduate Instruction was established in the University to exercise a general supervision over graduate work in arts and sciences, and Professor William H. Glasson was appointed Dean of the Graduate School of Arts and Sciences.

THE LIBRARY

Distinct progress has been made toward assembling a library of university proportions. On January 31, 1925, shortly after the reincorporation of Trinity College as Duke University, the number of volumes accessioned was 87,857; on January 31, 1934, the number had reached 368,666. These volumes are distributed among four units: the General Library, 281,784 volumes; the Library of the Law School, 41,434 volumes; the Duke Hospital (Medical) Library, 28,176 volumes; and the Library of the Woman's College, 17,272 volumes.

The General Library is the center of the Graduate School. The principles that guide its development are two: first, to procure books and other literary material in all fields of knowledge represented by the various departments of the University; the other, to centralize on certain fields of interest, usually of importance to several departments. Illustrative of the former principle has been the expansion of periodical and serial subscriptions; in 1925 these were 554 in number; today they are 1,563; and if the subscriptions in the Libraries of Law, Medicine, and the Woman's College are added, the grand total is 2,433.

The second principle, that of concentration, is best visualized by acquisitions in the following domains of knowledge:

1. In the Social Sciences a number of the great collections of source material for Medieval and Early Modern History

have been secured. To Migne's *Patrologia* have been added the *Monumenta Historica Germaniae*, the *Chronicles and Memorials of Great Britain*, the *Comptes Rendus de Séances de la Commission Royale de Belgique*, the *Collection de Chroniques Belges Inédites*, the *Acta Sanctorum*, and the *Corpus Reformatorum*. Correlating with this material is the library of the late Professor Holl of Berlin, consisting of some eight thousand titles relating to the Church through the period of the Protestant Revolt.

For Modern European development the following sets have been added: the *British Calendar of State Papers*, the *Journals of the Board of Trade*, the *Acts of the Privy Council*, the *British and Foreign State Papers*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Recueil Général de Lois, Décrets, et Annonces*, etc., the *Lois et Actes du Gouvernement de la République Française*, the stenographic reports of the German Reichstag, the *Actas* of the Spanish Cortes, and the *Estadística General del Comercio Exterior de España*. Pertinent also are the following Latin American sets: the *Sesiones del Congreso de la República Chile*, the *Boletín de Leyes de Chile*, the *Diario* of the National Congress of Argentina, the *Gaceta Judicial de Bolivia*, the *Anuario de Leyes de Bolivia*, the *Diario Oficial do Brasil*, the *Coleção das Leis do Brasil*, and the *Actas da Camara da Villa de São Paulo*. Supplementing these sets is the library of the late Pérez de Velasco of Lima, consisting of three thousand titles relating to all phases of Latin American life. Mention should also be made of a large collection of works pertaining to the political and cultural development of Brazil.

Another acquisition of importance is the private library of Professor Louis Strisower, sometime president of the Institut de Droit International. It consists of approximately five thousand volumes, including many works in private as well as international law, dating from the seventeenth century to the present. It is especially valuable for its periodical files and rare books.

Fundamental source materials concerning the United States have also been increased by the acquisition of over thirty thousand pieces of state documentary publications and many additions to federal documents prior to 1860, the Library having

been a depository for federal documents since 1890. Of importance also has been the collection of material relating to the region in which the Library is located, including newspapers and manuscripts as well as books and pamphlets. Approximately four thousand titles illustrative of early American presses from 1690 to 1820, mainly of New England and the Middle Region, make the American collection of more than regional importance.

There is also much material relating to religion in America, including extensive files of published official proceedings of such organizations as Episcopal dioceses, Methodist conferences, and Baptist conventions.

2. In the domain of language and literature, the principal large acquisitions have been as follows: (a) in Romance Literature, the library of Professor Gustav Lanson, noted critic and scholar, consisting of eleven thousand titles, rich in standard works on modern French authors and the literature of technical criticism; (b) English Philology has been strengthened by acquiring the monographs collected by the late James W. Bright of Johns Hopkins University; (c) for English Literature the library of the late Professor T. S. Graves of the University of North Carolina affords a scholar's working collection, especially for the drama from the time of Elizabeth to the close of the eighteenth century; (d) approximately one thousand four hundred dramatic works of the eighteenth century, supplementing the Graves Collection, make a comprehensive unit for English Dramatic Literature prior to 1800; (e) the Romantic Period of English Literature is well represented, including besides standard editions, a number of early or rare issues of the works of Byron, Coleridge, and Shelley; (f) for Germanic Literature, there are approximately two thousand volumes representative of leading Scandinavian authors since 1860, and over one thousand volumes relating to the life and works of Goethe; (g) for Oriental Studies, the library of the late Professor Graf von Baudissin has been acquired, valuable for its works on the Hebrew language and the literature of the Old Testament.

3. In the domain of Mathematics and Science there has been a rapid development of serials, the number of serial files in Chemistry being 88, in Biology 119, in Physics 43, in Mathematics 33, in Entomology 29, in Engineering 30, and in General Science 36. Supplementary are the serial files in the

Hospital (Medical) Library, which total 491. The acquisition of the library of Dr. L. O. Howard, eminent American entomologist, and of some six thousand titles in Forestry greatly strengthens the scientific collections.

NEWSPAPERS

The Library contains a cosmopolitan collection of newspapers, consisting of over six thousand volumes illustrative of the press in every American state save Arizona, Utah, Wyoming, North Dakota, and Oregon, and of the presses in nineteen foreign countries. The major part of the American newspapers come from the Atlantic Seaboard, the following states being strongly represented: Massachusetts, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. As a guide for scholars, a *Check List of United States Newspapers (and Weeklies since 1900)* is being issued serially.

MANUSCRIPTS

The Library also is the repository for over two hundred thousand manuscripts. Among these is a manuscript in Greek of the New Testament, dating apparently from the thirteenth century, probably of Byzantine origin; the reading is that of the Received Text, with variations which are a fruitful subject for research. Another Greek New Testament manuscript has just been acquired, the date of which has tentatively been placed as sixteenth century; its binding is a fine example of early silver-thread embroidery on silk with silver centerpieces both back and front. Of interest to students of English literature are a number of manuscripts of Dante Gabriel Rossetti, including five hundred lines of hitherto unpublished verse, many original versions of poems already published, plans for an unfinished lyrical tragedy, and notes for "God's Grael." There are also over sixty letters of William M. Rossetti, written to Ann Gilchrist principally in the interest of Walt Whitman. Of literary interest, also, are the letters of Admiral Mahan, distinguished naval officer, to Samuel A. Ashe. By far the larger number of manuscripts relate to the region in which the University is located. Pertinent to its literary history are one thousand two hundred pages of manuscripts once belonging to Dr. Thomas Holley Chivers, the Georgia poet and friend of Edgar Allan

Poe; a diary of Alexander B. Meek of Alabama and his manuscript copy of *Red Eagle*; and the correspondence of Paul Hamilton Hayne, South Carolina poet, consisting of four thousand letters. For the colonial period there are a number of manuscripts relating to the administration of the colony of Georgia. The revolutionary period is represented by over one hundred letters by and to General Nathaniel Greene. For the ante-bellum period, the correspondence of Clement Clay, Jr., of Alabama is distinctive, and for the same period are smaller groups of letters by such personages as John Randolph of Roanoke, Francis W. Pickens of South Carolina, John Hook of Virginia, Edward Harden of Georgia, and James Iredell and Asa Biggs of North Carolina. The Confederate section of the collection is particularly strong, including the *Official Register of the Confederate States Congress*, a ledger which gives the captions, dates of passing by Congress, and the dates of signature by President Jefferson Davis, of the statutes enacted by the Congress of the Confederate States, and eighty manuscript statutes of the last session of the Congress. There are also eighty-four letters of General Robert E. Lee, the military correspondence of General William Nelson Pendleton and of Governor Floyd of Virginia, some of the commissary papers of Jackson's Army during the Valley Campaign, and many letters of private soldiers and some family correspondence during the War. Plantation diaries and manuscripts and commercial correspondence have likewise been assembled; also many letters and documents concerning Trinity College, now Duke University, and the correspondence of Benjamin N. Duke.

The resources of the other libraries of the University are also at the service of graduate students. The Law Library is of value for its files of statutes and court reports, the Medical Library for its serials, and the Woman's College Library for its work on Art.

NEW SCIENCE LABORATORIES

New laboratory buildings have been erected on the West Campus in biology, physics, and chemistry. Graduate students will find available the most modern equipment and facilities for research.

BIOLOGICAL LABORATORIES

The biology building on the West Campus contains three refrigerated rooms, an incineration room, a workshop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology, parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, and forestry. A large greenhouse gives adequate space for experimental work and propagation. There is a small synoptic museum and an herbarium. Dr. Irving E. Gray is the curator of the biological museum. On the East Campus laboratories are provided for women and a small greenhouse is conveniently located near the science building.

Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work, such as microscopes, ovens, baths, nets, kymographs, motors, chemicals, and glassware are available.

The Duke University Forest and the streams of the University estate furnish excellent collecting grounds. The woodlands are under the management of the Forestry Department. Duke University is situated in the Piedmont Region, between the mountains and coastal plain. This gives easy access to a variety of plants and animals. North Carolina is the home of the tulip tree, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to truly montaine species. In the woods about the University are opossums, squirrels, cardinals, Carolina wrens, several species of salamanders, king snakes, and terrapins.

CHEMISTRY LABORATORIES

Graduate work in chemistry is carried on in a new building which has a floor area of about 57,000 square feet. The equipment of this building is modern in every respect. Of this total space a large proportion is available for research and advanced

teaching. There are twenty-five double research rooms completely equipped with the usual services. In addition the following specially designed rooms are available for present or future research as indicated: a low temperature room, photographic room, constant temperature room, gas analysis room, combustion room, bomb room, animal room, rooms equipped for high vacuum, X-ray, and photochemical investigations.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

PHYSICS LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. For purposes of instruction it has two lecture halls, four recitation rooms, five large laboratories and a number of smaller laboratories for advanced courses. On the first floor are located the office and research rooms of the departmental staff. On the third floor about ten rooms are set aside for research. All instructional and research laboratories are provided with compressed air, vacuum, gas, D.C. and A.C. circuits of various characteristics supplied through five trunk lines from the main switchboard. All research rooms in addition, have one high potential and two low potential circuits. Several outlets in each room from the house lighting service are provided.

For the development of instructional and research apparatus a large shop has been located on the first floor for the exclusive use of instrument makers, and adjacent to this is a students' shop operated under the direction of a mechanic. This is made accessible to graduate students in physics. A collection of important apparatus for exclusive use in research is being gathered in a research storeroom which is to be in the custody of an expert repair man. A freight and passenger elevator makes conveniently accessible all parts of the laboratory.

The laboratory is at present provided with exceptional facilities for research in the fields of radiation and electricity. Among the instruments of precision in the spectroscopic laboratory there are available for students' use an E-1 Hilger spectrograph, and E-316 Hilger spectrograph and several Hilger in-

struments of the fixed arm type. A Rowland concave grating of 10 ft. radius and of 14,434 lines per inch of surface is equipped with a Brashear mount. An Eschelon spectroscope, a Lummer-Gherike plate, Michelson and Fabry and Perot interferometers, and a Moll microphotometre from Zipp and Sons of Delft are provided. Various types of mechanical and diffusion air pumps, including a Holweck pump, are installed for use in research. A Hilger micrometer comparator which reads directly to 0.001 mm. is used in the measurement of spectrographs. A sufficient number of photographic dark rooms are conveniently located. In the fields of electricity the laboratory is supplied with various types of potentiometers, electrometers, high sensitivity galvanometers and other devices for the precision determination of resistance, current, and potential difference.

GRADUATE DORMITORIES

Certain sections of the new dormitories on the West Campus have been reserved for graduate men. Board can be secured at the Union, which also has unusually attractive provisions for social intercourse and activities. Graduate women will find dormitory accommodations of the highest type on the East Campus. The Union on the East Campus furnishes meals at reasonable rates and serves as a center of campus life.

GRADUATE CLUB

One of the active organizations of the University is the Graduate Club. Its meetings are held monthly and are devoted to the professional and social interests of graduate students.

FELLOWSHIPS AND SCHOLARSHIPS

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. The Angier B. Duke Memorial, Incorporated, awards an annual fellowship of one thousand dollars to a graduate student of exceptional merit. Fifteen University fellowships of six hundred fifty dollars each and sixteen University fellowships of six hundred dollars each have been established. There are also seven

graduate scholarships of four hundred dollars each and ten graduate scholarships of three hundred fifty dollars each. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be made on or before March 15 of each year. In case vacancies occur, applications submitted on a later date will be considered.

There are also a number of graduate assistantships open in the various departments with compensation ranging from \$300 to \$650. Graduate assistants are under obligation to give part of their time to such work in the departments as may be assigned to them. They will usually be unable to carry a full program of study. Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.

ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a Faculty Committee on Research consisting of three members, the President himself being a fourth member *ex officio*. On April 1 of each year the Chairman of the Committee on Research receives written applications from members of the Faculty for stipends for the encouragement of research. Amounts granted may be expended for the employment of research assistants, or for the purchase of books, apparatus, and material. The amount of the stipend may not exceed five hundred dollars. Each member of the Faculty to whom a research stipend is granted must within twelve months make a written report of the progress of his investigation.

UNIVERSITY PRESS

The Duke University Press affords facilities for the publication of many scholarly books and articles. The press issues five quarterly reviews: *The South Atlantic Quarterly*, *The Hispanic American Historical Review*, *American Literature*, *Ecological Monographs*, and *Character and Personality*.

A list of the publications of the Duke University Press may be obtained from the Manager of the Press, Durham, North Carolina.

REQUIREMENTS FOR ADMISSION AND DEGREES

(For regulations concerning admission to graduate courses and to candidacy for a degree, see Bulletin of the Graduate School.)

The degrees offered in the Graduate School of Arts and Sciences are master of arts (A.M.), master of education (M.Ed.), and doctor of philosophy (Ph.D.).

THE DEGREE OF MASTER OF ARTS

Candidates for the degree of master of arts are required to have a reading knowledge of two foreign languages, evidenced by examination or by credit obtained for at least six semester-hours of college work in each. If this requirement has not been satisfied before admission to candidacy for the degree, the required foreign language work must be completed before the degree is conferred and will not be counted for credit toward the degree. The two foreign languages offered must be acceptable to the department in which the candidate is taking his major work. Twice a year at stated times the language examinations will occur. The French examinations will be given the first week in November and the first week in March while the German examinations will be given the second week in November and the second week in March.

To obtain the degree of master of arts a candidate must complete satisfactorily twenty-four semester-hours of graduate courses and a thesis. The credit for the thesis is six semester-hours. Each candidate for the degree must select a major subject in which the minimum requirement is twelve semester-hours and the thesis. [Before selecting his major in a department, a student must have completed a minimum of twelve semester-hours of approved *preliminary* courses in that department and twelve additional semester-hours either in that department or in related work.] A candidate must take six semester-hours of graduate work in a minor subject approved by the major department, and the remaining six semester-hours in the major or minor subjects or in a department approved by the major department and by the Graduate Council. No undergraduate course may be credited toward the degree of master of arts.

MINIMUM RESIDENCE REQUIREMENT

The minimum residence requirement of candidates for the master's degree is one academic year. Often a longer period of residence will prove necessary. In the case of graduate students who take all the work for the master's degree in the Summer School, the minimum residence requirement is five summer terms of six weeks each. All the work

offered for the master's degree must be completed within a period of six years.

DEGREE OF MASTER OF EDUCATION

The degree of master of education is granted to teachers, or others engaged in educational service, upon completion of the prescribed program of study. Candidates for the degree must have had two years of practical experience in teaching when the degree is conferred. This experience may be obtained in the two years immediately prior to entering upon candidacy for the degree, or it may be obtained concurrently with the period of study for the degree.

A preliminary requirement for admission to candidacy for this degree is the completion of a minimum of twelve semester-hours of approved undergraduate work in education, including work in educational psychology and work in history of education, or educational sociology, or school administration.

The requirements for the degree of master of education are twenty-four semester-hours of graduate courses and a thesis. Candidates must take a minimum of twelve semester-hours of work and write a thesis in the Department of Education. At least six semester-hours must be taken in some department other than the Department of Education. Students who are preparing to teach are advised strongly to take twelve semester-hours of graduate work in the subjects they intend to teach. In such cases the thesis may be prepared under the joint supervision of a department in which the student intends to teach and the Department of Education.

The residence requirements for the degree of master of education are the same as those for the degree of master of arts.

THESIS FOR THE MASTER'S DEGREE

The title of the thesis required in partial fulfilment of the requirements for the degree of master of arts or master of education must be approved by the department or departments concerned and filed with the Dean of the Graduate School on or before November 15 of the academic year in which it is expected that the degree will be conferred.

Three (or, at the discretion of the department, four) bound type-written copies of each thesis must be submitted to the Dean of the Graduate School in approved form on or before May 15 of the year in which the degree is conferred. The thesis is passed upon and accepted or rejected by an examining committee of three members of the faculty. Two of the copies, the original and a carbon copy, are placed in the University Library. Each candidate is required to appear before the committee for a final examination. The oral portion of the examination will be at least one hour in length and will be either on the thesis or on the thesis and its related field; this choice and the length of the examination to be determined by the department with due consideration to the needs of the candidate and the subject-matter of the thesis. The chairman of the committee will inform the other members of the committee of the character and scope of the examination.

SUMMER SCHOOL WORK FOR THE MASTER'S DEGREE

Graduate students may not receive more than six semester-hours of credit for work taken in one summer session of six weeks. The degree of master of arts or master of education can be earned in five such summer sessions by students who are well prepared for graduate work. All the work offered for the master's degree must be completed within a period of six years.

CREDIT TOWARD THE MASTER'S DEGREE FOR WORK DONE ELSEWHERE

No credit toward advanced degrees is given for university extension or correspondence courses.

Not more than six semester-hours of credit toward the master's degree may be given to graduates of Duke University or of other approved colleges or universities for acceptable graduate courses or research work completed elsewhere. Such credit shall not shorten the minimum period of residence required at Duke University.

THE DEGREE OF DOCTOR OF PHILOSOPHY

A student who plans to enter upon a program of work leading to the degree of doctor of philosophy should consult, or enter into correspondence with, the Dean of the Graduate School or the head of the department concerned. He will then be advised as to the possibility of securing the necessary instruction and supervision of research in the desired field.

The Council on Graduate Instruction has adopted the following regulations governing the conferring of the degree of doctor of philosophy :

1. The degree. The degree of doctor of philosophy is a research degree; it is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses. The granting of the degree will be based primarily upon evidence of high attainments in a special field of knowledge and upon the production of a thesis embodying the results of original research.

2. Residence Requirements. The normal period of resident graduate study, after the general requirements of admission to the Graduate School have been satisfied, is not less than three academic years. The candidate will be required to spend at least either the last year in actual residence at Duke University, or the first two years. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may expect to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake. Credit for one year of work done in summer school sessions may be given with the approval of the Graduate Council and of the department in which the student takes his major work. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work

completed many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

3. Application for Candidacy for the Ph.D. degree. A student desiring to become a candidate for the Ph.D. degree is ordinarily required to file with the Dean of the Graduate School, not later than the beginning of the second year of graduate work, a formal application indicating in what department and under what professor he proposes to carry on research. A committee will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major department have been satisfied, the chairman of the committee shall report the fact in writing to the Dean of the Graduate School. The student's program of study will be arranged after consultation with this committee and must secure its approval and that of the Graduate Council. In the case of students who come to Duke University for only the last year of graduate work, and in special cases approved by the Graduate Council, the application for recognition as a candidate for the Ph.D. degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

4. Preliminary Examination. Toward the end of the second full year of graduate work (or in special cases at the beginning of the third year), a preliminary examination of each candidate will be held covering the general field of his major subject. This examination will be conducted by the committee in charge of the student's work and will be either oral or written, or both, as the committee may determine. A student who passes this examination will be recognized as a candidate for the Ph.D. degree. At the discretion of a candidate's committee, the examination on his minor subject or subjects may be held at the time of his preliminary examination instead of at the time of his final examination.

5. Program of Study. The program of study of an applicant for the Ph.D. degree is subject to the approval of the Graduate Council and of the committee provided for in Section 3 above. The student must select a major field and one or two minor related fields. When a department offers instruction in a sufficient variety of subjects and the needs of the individual student seem to require it, the Graduate Council may permit a major and minor to be taken in the same department.

6. Foreign Language Requirements. A reading knowledge of French and German will ordinarily be required. A substitution for one of these languages may be made, however, by the consent of the Graduate Council and of the department in which a student takes his major work. The student will be examined on one of the foreign languages at the beginning of his second year of graduate work, and should qualify in both by the end of the second year of his graduate work. The department in which he takes his major work may indicate preference as to the language in which the student shall first be examined. Foreign language

examinations will be conducted by the appropriate language department in conjunction with the department in which the student has his major field of work.¹

7. Thesis. The thesis for the Ph.D. degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the Graduate School on or before October 15 of the academic year in which the candidate desires to take the final examinations for his degree. The subject must receive the written approval of the head, or chairman, of the department in which the candidate has his major field of work and also of the professor under whom the thesis is being written. The thesis must be completed to the satisfaction of the professor under whom it is written, and four typewritten copies in approved form must be deposited with the Dean of the Graduate School on or before May 1, if the student desires to be examined on the thesis in the same academic year. Two of the copies, the original and a carbon copy, are placed in the University Library.

The title page must be approved by the major department and by the Dean of the Graduate School.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the Graduate School and the committee in charge of the candidate's work. Copies of the published thesis should be deposited in the Graduate School office as provided by regulations of the Graduate Council. The degree will not be conferred until publication of the thesis, in approved form, within three years, has been guaranteed in a way satisfactory to the Dean of the Graduate School and the professor under whom the thesis was written.

8. Final Examination. The final examination on the thesis and on the subject matter of the major and minor fields will be oral. The examination on both thesis and major and minor work will be held at the same time unless otherwise arranged by special permission of the Graduate Council.

¹ See University Calendar, pages 5 and 6.

COURSES OF INSTRUCTION

(This is a condensed description of courses. For full description, see Bulletin of the Graduate School.)

(Certain undergraduate courses are open to graduate students with the approval of the department. See the "Bulletin of Undergraduate Instruction.")

BOTANY

FOR SENIORS AND GRADUATES

202. Genetics.—Prerequisites, one year of botany or zoölogy, or equivalent, and college algebra. **4 s.h.**

DR. PERRY

211. Structure and Classification of Algae.—Prerequisite, two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

212. Structure and Classification of Bryophytes.—Prerequisite, two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

213. Structure and Classification of Pteridophytes.—Prerequisite, two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

[Not offered in 1934-1935]

216. Botanical Microtechnique.—Prerequisite, three semesters of botany. **4 s.h.**

PROFESSOR BLOMQUIST

221. Structure and Classification of Fungi.—Prerequisite, two years of botany. **4 s.h.**

PROFESSOR WOLF

223. Diseases of Plants.—Prerequisites, Botany 1, 2, and 52. **4 s.h.**

PROFESSOR WOLF

[Not offered in 1934-1935]

225-226. Special Problems.—Credits to be arranged. **STAFF**

251. Methods in Plant Physiology.—Prerequisite, one course in plant physiology. **4 s.h.**

DR. KRAMER

252. Chemical Plant Physiology.—Prerequisites, one year of chemistry and one course in plant physiology. Organic chemistry recommended. **4 s.h.**

ASSISTANT PROFESSOR ADDOMS AND DR. KRAMER

256. Field Ecology.—Prerequisites, Botany 1, 2, and 52 or equivalents.
4 s.h.

DR. OOSTING

FOR GRADUATES

304. Advanced Plant Anatomy.—Prerequisite, Botany 103 or equivalent. 4 s.h.

ASSISTANT PROFESSOR ADDOMS

[Not offered in 1934-1935]

355-356. Advanced Taxonomy.—Prerequisite, Botany 52 or equivalent.
2-8 s.h.

PROFESSOR BLOMQUIST

359-360. Research in Botany.—Credits to be arranged.

STAFF

397-398. General Botanical Seminar.—One hour per week throughout the year. Required of all graduates majoring in botany. 2 s.h.

STAFF

FORESTRY

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Prerequisites, Botany 1, 2, and 154 or equivalent. 4 s.h.

PROFESSOR WOLF

254. Dendrology.—Prerequisite, two years of botany. 4 s.h.

PROFESSOR KORSTIAN

FOR GRADUATES

353-354. Forest Research Methods.—Prerequisites, Botany 151 and 156 or equivalents. Credits to be arranged.

PROFESSOR KORSTIAN

357-358. Research in Forest Ecology.—Prerequisites will vary somewhat with the problem selected. Credits to be arranged.

PROFESSOR KORSTIAN

CHEMISTRY

FOR SENIORS AND GRADUATES

215-216. Advanced Inorganic Chemistry.—Prerequisites, Chemistry 1-2, 61, 70, and 151-152. Chemistry 261-262, advanced physics, and ability to read German are desirable. 6 s.h.

ASSOCIATE PROFESSOR VOSBURGH AND DR. HILL

231. Instrumental Analysis.—Prerequisites, Chemistry 70 and 261-262. Laboratory physics is desirable. 3 s.h.

ASSOCIATE PROFESSOR VOSBURGH AND DR. SAYLOR

232. Advanced Quantitative Analysis.—Prerequisites, Chemistry 70, 151-152. Chemistry 261-262 is desirable. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, AND DR. BROWN

241. Physiological Chemistry.—Prerequisites, Chemistry 70 and 151-152. Course 261-262 is desirable though not required. **4 s.h.**

PROFESSOR WILSON

242. Metabolism.—**4 s.h.**

PROFESSOR WILSON AND MR. LEMAISTRE

251-252. Intermediate Organic Chemistry.—**3 s.h.**

ASSISTANT PROFESSOR BIGELOW AND DR. BROWN

253-254. Advanced Organic Chemistry.—Prerequisites, Chemistry 151-152, or equivalent, and a reading knowledge of German.

ASSISTANT PROFESSOR BIGELOW, DRs. BROWN, CAMPBELL, AND HAUSER

260. Colloid Chemistry.—Prerequisites, Chemistry 151-152 and 261. **3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH AND DR. SAYLOR

261-262. Physical and Electro Chemistry.—Prerequisites, Chemistry 70, 151-152, college physics, and college algebra. Calculus is desirable but is not required. **6 s.h.**

PROFESSOR GROSS AND DR. SAYLOR

271. Introduction to Research.—**1 s.h.**

PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, AND DR. CAMPBELL

273-274. Seminar.—**2 s.h.**

DR. HILL WITH PROFESSOR GROSS, ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, DRs. BROWN, CAMPBELL, HAUSER, AND SAYLOR

275-276. Research.—**3 or 6 s.h.**

PROFESSORS GROSS AND WILSON, ASSOCIATE PROFESSOR VOSBURGH, ASSISTANT PROFESSOR BIGELOW, DRs. BROWN, HAUSER, HILL, AND SAYLOR

280. Teaching of Chemistry.—**2 or 3 s.h.**

PROFESSOR WILSON

FOR GRADUATES

351-352. Advanced Synthetic Organic Chemistry.—**2 s.h.**

ASSISTANT PROFESSOR BIGELOW

361-362. Chemical Thermodynamics.—Prerequisite, Chemistry 261-262 or its equivalent. **6 s.h.**

PROFESSOR GROSS

363-364. Chemical Kinetics.—Prerequisite, Chemistry 261-262 or its equivalent. **6 s.h.**

PROFESSOR GROSS AND DR. HILL

365. Phase Rule.—**3 s.h.**

ASSOCIATE PROFESSOR VOSBURGH

ECONOMICS

FOR SENIORS AND GRADUATES

203. Money and Banking.—**3 s.h.**

PROFESSOR GLASSON

211-212. History of Political Economy.—Old number 210. **6 s.h.**

PROFESSOR HAMILTON

213-214. Advanced Economic Theory.—Old number 212. **6 s.h.**

PROFESSOR HOOVER

215. Economic Systems.—Old number 214. **3 s.h.**

PROFESSOR HOOVER

216. Economic Functions of the State.—Old number 215. **3 s.h.**

PROFESSOR HOOVER

217. Economic Stabilization.—**3 s.h.**

[Not offered in 1934-1935]

218. Population Problems and the Standard of Living.—**3 s.h.**

[Not offered in 1934-1935]

231. The Economic History of England.—**3 s.h.**

ASSISTANT PROFESSOR ROBERTS

232. Economic History of the United States.—**3 s.h.**

ASSISTANT PROFESSOR ROBERTS

236. Public Finance.—Old number 235. **3 s.h.**

PROFESSOR GLASSON AND DR. RATCHFORD

237. American Federal Finance.—**3 s.h.**

[Not offered in 1934-1935]

253. Trade Unionism and Labor Problems.—**3 s.h.**

ASSOCIATE PROFESSOR TROXELL

254. Industrial Relations.—Course 253 is a prerequisite. Old number 255. **3 s.h.**

[Not offered in 1934-1935]

255. Labor Administration.—Old number 256. **3 s.h.**

[Not offered in 1934-1935]

256. Labor Legislation.—Old number 257. **3 s.h.**

265. International Trade and Tariff Policies.—3 s.h.

ASSISTANT PROFESSOR ROBERTS

266. International Finance.—3 s.h.

ASSISTANT PROFESSOR ROBERTS

267-268. Business History.—Old number 267. 4 s.h.

PROFESSOR HAMILTON

275-276. Advanced Industrial Accounting and Management.— Courses 57-58 and 105 are ordinarily prerequisite for this course. Old number 267. **6 s.h.**

MR. BLACK

FOR GRADUATES

331. Advanced Banking.—2 s.h.

PROFESSOR GLASSON

350. Research in Finance.—Old number 349. 2 s.h.

PROFESSOR GLASSON

318. General Seminar in Economics.—2 s.h.

STAFF

EDUCATION

The department offers a full major of work in educational psychology toward the degree of doctor of philosophy, with approved minors in as many as two of the divisions listed for the master's degree, and an approved minor in psychology or in some other department offering work closely related to the thesis problem of the candidate. It is planned to offer complete majors in other divisions as rapidly as the growth of the department justifies.

The department offers work toward the master of arts and master of education degrees, and minor work toward the doctor of philosophy degree, in the divisions of elementary education, experimental education and educational psychology, history and philosophy of education, public school administration, and secondary education, and educational sociology. It is important for students who are degree candidates to choose their course according to some unified plan; they are reminded that mere accumulation of more or less unrelated courses in various divisions with minor work in some department only remotely related to the student's major work does not lead to a graduate degree. Every candidate for a master's degree should elect at least six, and preferably twelve, semester-hours of course-work in the special division in which he intends to write his thesis. Students who expect to write theses in the history of education are required to take their minor work in American history. Students writing in school administration are advised to elect minor work in economics and political science. Students in educational psychology should elect their minor work in psychology. No student, except by special approval of the department and of the Graduate School, is permitted to take minor work in more than one department or to the amount of more than six semester-hours.

ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. Technique of Teaching.—Prerequisite, teaching experience or six semester-hours of work in materials and methods. **3 s.h.**

ASSOCIATE PROFESSOR CARR

212. Psychology of the Elementary School Subjects.—**3 s.h.**

ASSOCIATE PROFESSOR CARR

222. The Curriculum and Materials of the Elementary Grades.—**3 s.h.**

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

232. Elementary-School Supervision.—**3 s.h.**

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

FOR SENIORS AND GRADUATES

208. Mental Tests and Applications.—Prerequisite, course 258 or six semester-hours of other work in educational psychology or psychology. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

209. Statistical Methods Applied to Education.—**3 s.h.**

ASSISTANT PROFESSOR EASLEY

216. Psychological Principles of Secondary Education.—Old number 206.

PROFESSOR CHILDS

218. Educational Implications of Genetic Psychology.—Prerequisite, six semester-hours of psychology or educational psychology. Not offered unless sufficient demand. **3 s.h.**

PROFESSOR BROWNELL

219. Experimental Education.—**3 s.h.**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

227. The Psychology of Learning: Problems.—Old number 228. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

228. The Psychology of Learning, Theoretical and Experimental.—Prerequisite, 227 or its equivalent. **3 s.h.**

ASSISTANT PROFESSOR EASLEY

237. Investigations in Reading.—Old number 238. **3 s.h.**

ASSOCIATE PROFESSOR CARR

247. Investigations in Arithmetic.—Old number 248. **3 s.h.**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

258. Educational Measurements.— Prerequisite, twelve semester-hours of Education. **3 s.h.**

PROFESSOR BROWNELL

FOR GRADUATES

309-319. Research in Educational Psychology.—**3 to 6 s.h.**

PROFESSOR BROWNELL

318. Investigation of Study Problems.—**3 s.h.**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

338. Research in Reading.—Education 247 is advised as a preliminary course, but is not required. **3 s.h.**

ASSOCIATE PROFESSOR CARR

[Not offered in 1934-1935]

348. Research in Arithmetic.—Education 247 is advised as a preliminary course, but is not required. **3 s.h.**

PROFESSOR BROWNELL

[Not offered in 1934-1935]

HISTORY AND PHILOSOPHY OF EDUCATION

FOR SENIORS AND GRADUATES

200. Introduction to the Philosophy of Education.—**3 s.h.**

PROFESSOR HOLTON

214. History of Education in the United States.—**3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

224. Current Problems in Public Education as Revealed through School Surveys.—**3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

244. Studies in the Historical Development of Public-School Administration.—**3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

254. History of Secondary Education in the United States.—**3 s.h.**

PROFESSOR PROCTOR

[Not offered in 1934-1935]

264. Recent Movements in American Education.—**3 s.h.**

PROFESSOR HOLTON

[Not offered in 1934-1935]

294. Comparative Education: Recent Movements in European Educational Systems.—**3 s.h.**

ASSOCIATE PROFESSOR CARR

PUBLIC SCHOOL ADMINISTRATION

FOR SENIORS AND GRADUATES

233. Administrative Pupil-Accounting.—3 s.h.

PROFESSOR PROCTOR

**234. Secondary-School Organization and Administration.—Old number 213.
3 s.h.**

PROFESSOR PROCTOR

253. Legal Phases of School Administration.—3 s.h.

[Not offered in 1934-1935]

PROFESSOR HOLTON

FOR GRADUATES

323. Public School Finance.—3 s.h.

PROFESSOR PROCTOR

343. State and County School Administration.—3 s.h.

PROFESSOR PROCTOR

363. City School Administration.—3 s.h.

[Not offered in 1934-1935]

PROFESSOR PROCTOR

SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY

FOR SENIORS AND GRADUATES

206. Sociological Foundations of the Secondary-School Subjects.—Prerequisite, six semester-hours in education, including course 105. Old number 205. 3 s.h.

PROFESSOR CHILDS

215. Principles of Educational and Vocational Guidance.—Prerequisites, courses in sociology or educational sociology. 3 s.h.

[Not offered in 1934-1935]

PROFESSOR CHILDS

225. The Teaching of High-School History.—3 s.h.

DR. MANCHESTER

246. The Teaching of Mathematics.—3 s.h.

PROFESSOR RANKIN

266. The Teaching of High-School French.—3 s.h.

PROFESSOR WEBB

FOR GRADUATES

300. Methods of Educational Research: Seminar.—3 s.h.

[Not offered in 1934-1935]

MEMBERS OF THE DEPARTMENT

ENGLISH

FOR SENIORS AND GRADUATES

- 201-202. Anglo-Saxon.—6 s.h. PROFESSOR BROWN
- 203-204. Chaucer.—6 s.h. PROFESSOR BAUM
- 205-206. Middle English.—6 s.h. PROFESSOR BAUM
- 207-208. English Literature, 1400-1550.—6 s.h. PROFESSOR BAUM
[Not offered in 1934-1935]
- 209-210. English Romances.—6 s.h. PROFESSOR BROWN
[Not offered in 1934-1935]
- 213-214. The Ballad and Other Folk-Lore.—6 s.h. PROFESSOR BROWN
- 215-216. The Drama of the Elizabethan Period.—6 s.h. PROFESSOR GILBERT
- 217-218. Spenser and Milton.—6 s.h. PROFESSOR GILBERT
219. English Literature, 1660-1744.—3 s.h. PROFESSOR WHITE
220. English Literature, 1744-1798.—3 s.h. PROFESSOR WHITE
221. The Drama in England, 1640-1770.—3 s.h. PROFESSOR BAUM
[Not offered in 1934-1935]
- 225-226. Studies in Victorian Literature.—6 s.h. PROFESSOR BAUM
227. Literary Criticism.—3 s.h. PROFESSOR GILBERT
228. Literary Criticism.—3 s.h. PROFESSOR GILBERT
- 229-230. American Literature, 1800-1870.—6 s.h. PROFESSOR HUBBELL
- 231-232. Special Studies in American Authors.—6 s.h. ASSOCIATE PROFESSOR GOHDES

FOR GRADUATES

301. Bibliography and Methods of Research.—3 s.h. PROFESSOR GILBERT
- 303-304. The Elizabethan Period.—6 s.h. PROFESSOR GILBERT
[Not offered in 1934-1935]

305. The Early Renaissance.—3 s.h.

PROFESSOR BAUM

[Not offered in 1934-1935]

307-308. Southern Literature and Culture.—6 s.h.

PROFESSOR HUBBELL

[Not offered in 1934-1935]

309. Chaucer.—3 s.h.

PROFESSOR BAUM

[Not offered in 1934-1935]

**313-314. Studies in the Romantic Writers of the Early Nineteenth Century.—
6 s.h.**

PROFESSOR WHITE

GERMAN LANGUAGE AND LITERATURE

FOR SENIORS AND GRADUATES

201-202. Goethe.—6 s.h.

PROFESSOR KRUMMEL

203-204. Leibnitz to Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

205-206. Middle High German.—5 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

207-208. German Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1934-1935]

209-210. Nineteenth-Century Drama.—6 s.h.

PROFESSOR KRUMMEL

211-212. Heinrich Heine.—5 s.h.

PROFESSOR VOLLMER

213-214. Nineteenth-Century Political Literature, 1870-1914.—6 s.h.

PROFESSOR VOLLMER

FOR GRADUATES

301-302. Gothic—Old High German.—6 s.h.

PROFESSOR VOLLMER

GREEK

FOR SENIORS AND GRADUATES

201-202. Greek Drama.—6 s.h.

PROFESSOR PEPPLER

203-204. Homer.—*Odyssey*. Pindar and Bacchylides. 6 s.h.

PROFESSOR PEPPLER

205-206. Greek Historians.—6 s.h.

PROFESSOR PEPPLER

207-208. Greek Orators.—6 s.h.

PROFESSOR PEPPLER

209-210. Plato.—6 s.h.

ASSISTANT PROFESSOR WAY

211-212. Aristophanes.—6 s.h.

PROFESSOR PEPLER

(Only one of the six courses listed above is offered each year.)

243. Athenian Topography.—3 s.h.

ASSISTANT PROFESSOR WAY

244. Greek Epigraphy.—3 s.h.

ASSISTANT PROFESSOR WAY

245. Greek Dialects.—3 s.h.

ASSISTANT PROFESSOR WAY

246. Greek Historical Inscriptions.—3 s.h.

ASSISTANT PROFESSOR WAY

247-248. Greek Archaeology.—6 s.h.

ASSISTANT PROFESSOR WAY

(Of the courses numbered from 243 to 248 only two semester-courses are offered each year.)

FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in *Aristophanes* (course 301-302), the *Greek Historians* (303-304), the *Attic Orators* (305-306), and the *Greek Tragic Poets* (307-308). These run through a cycle of four years. In 1934-1935 the work will be

301-302. Seminar in Aristophanes.—6 s.h.

PROFESSOR PEPLER

Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,400. They are awarded mainly on the basis of examinations held in the beginning of March of each year.

HISTORY

AMERICAN HISTORY

FOR SENIORS AND GRADUATES

203. The Union, Confederacy, and Reconstruction.—3 s.h.

PROFESSOR BOYD

[Not offered in 1934-1935]

209-210. Constitutional History of the United States, 1763-1860.—6 s.h.

PROFESSOR BOYD

[Not offered in 1934-1935]

215-216. History of the Foreign Relations of the United States.—Pre-requisites, courses 91 and 92. **6 s.h.**

PROFESSOR RIPPY

208. Studies in the Social History of the United States.—3 s.h.

PROFESSOR SHRYOCK

230. The History of North Carolina.—3 s.h.

PROFESSOR BOYD

[Not offered in 1934-1935]

231. The Hispanic Colonies of the New World.—3 s.h.

DR. LANNING

233-234. The Hispanic-American Republics.—6 s.h.

PROFESSOR RIPPY

[Not offered in 1934-1935]

FOR GRADUATES

306. Southern History, 1763-1860.—4 s.h.

PROFESSOR BOYD

307. The Colonial Period, 1606-1763.—4 s.h.

PROFESSOR BOYD

[Not offered in 1934-1935]

315. Seminar in Southern History.—2 s.h.

PROFESSORS BOYD AND SHRYOCK

321. Studies in the Diplomatic History of the United States.—4 s.h.

PROFESSOR RIPPY

EUROPEAN HISTORY

FOR SENIORS AND GRADUATES

205-206. English Constitutional History.—6 s.h.

PROFESSOR LAPRADE

[Not offered in 1934-1935]

217-218. Europe since 1870.—6 s.h.

ASSOCIATE PROFESSOR CARROLL

219-220. The History of the European Proletariate.—6 s.h.

ASSOCIATE PROFESSOR CARROLL

[Not offered in 1934-1935]

221-222. The Age of the Renaissance.—6 s.h.

ASSISTANT PROFESSOR NELSON

[Not offered in 1934-1935]

223-224. Medieval Institutions and Culture.—6 s.h.

ASSISTANT PROFESSOR MACKAY

225-226. The Age of the Reformation.—6 s.h.

ASSISTANT PROFESSOR NELSON

FOR GRADUATES

305. A Seminar in the History of England and the British Empire.—2 s.h.

PROFESSOR LAPRADE

317. A Seminar in Recent European History.—2 s.h.

ASSOCIATE PROFESSOR CARROLL

325. British Nationality and Public Opinion.—4 s.h.

PROFESSOR LAPRADE

327. Modern Phases of the English Constitution.—4 s.h.

PROFESSOR LAPRADE

[Not offered in 1934-1935]

328. Foundations of the British Empire.—4 s.h.

PROFESSOR LAPRADE

[Not offered in 1934-1935]

THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. The Teaching of History and Civics.—3 s.h.

DR. MANCHESTER

BIBLIOGRAPHY

FOR GRADUATES

326. Historiography and Bibliography.—2 s.h.

MEMBERS OF THE DEPARTMENT

[Not offered in 1934-1935]

LATIN AND ROMAN STUDIES

While the degree of Master of Arts may be attained in one academic year, it is highly desirable that prospective candidates attend a six weeks term of the Summer School first. A satisfactory working knowledge of German and French is a necessity for graduate students in Classics. At present Greek, French, Philosophy, and English are the most suitable minors for Latin majors, though the student is not limited to these fields. All candidates for the Master of Arts degree are required to take the Latin Seminar, and candidates for the doctorate shall be required to take at least two seminars in Latin and one in the minor subject.

FOR SENIORS AND GRADUATES

201. Roman Fiction.—

[Not offered in 1934-1935]

202. Early Latin Christian Writers.—

[Not offered in 1934-1935]

203-204. Roman Epic Poetry.—6 s.h.

ASSISTANT PROFESSOR GATES

205-206. Roman Drama.—6 s.h.

PROFESSOR ANDERSON OR ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy.—

[Not offered in 1934-1935]

209-210. Vulgar Latin and Introduction to Romance Philology.—Prerequisites, Latin 41-52, or an equivalent, and not less than two years of college French or college Spanish, exclusive of a beginner's course. **6 s.h.**

PROFESSOR ROSBOROUGH

215. Introduction to Roman Art and Archæology.—3 s.h.Note: *Approved Juniors may be admitted.* PROFESSOR ROSBOROUGH**216. Topography and Monuments of Ancient Rome.—3 s.h.**

PROFESSOR ROSBOROUGH

FOR GRADUATES

301-302. Roman Life.—

[Not offered in 1934-1935 unless instead of course 216.]

PROFESSOR ROSBOROUGH

309-310. Sight Reading and Composition.—

[Not offered in 1934-1935]

311-312. Latin Epigraphy.—

[Not offered in 1934-1935]

321-322. Seminar in Plautus.—

[Not offered in 1934-1935]

325-326. Linguistics.—

[Not offered in 1934-1935]

331-332. Roman Historical Literature.—

[Not offered in 1934-1935]

341-342. The Alexander Romance.—

[Not offered in 1934-1935]

351-352. Seminar in Martial.—

[Not offered in 1934-1935]

361-362. Seminar in Horace.—6 s.h.

PROFESSOR ANDERSON

MATHEMATICS

The department offers basic courses in each of the main divisions of mathematics; namely, algebra, analysis, geometry, and applied mathematics.

Because of the important mathematical literature which is written in the French and German languages, all students taking graduate work in mathematics should have a practical reading knowledge of these languages near the beginning of their graduate study.

As the Ph.D. degree is a research degree the original dissertation is the most important of the formal requirements. A candidate for the Ph.D. degree should have in mind the dissertation requirement from the outset and plan his courses accordingly.

The master's degree with major in mathematics will be awarded primarily on the basis of scholarship. For it the thesis may be an exposition of results already known. Each candidate for the master's degree must take a group of basic courses approved by the department.

Graduate students are expected to have undergraduate credit for a number of the courses listed below before they begin their program of graduate work. Students who have not had any of these courses and who desire to become candidates for the master's degree must take at least six semester-hours of such work in addition to the general requirements specified for this degree. This work should be done in the summer session prior to the year of residence.

Not all the courses listed will be given every year.

FOR SENIORS AND GRADUATES

201. History of Mathematics.—3 s.h.

PROFESSOR RANKIN

***204. The Teaching of Mathematics.—**Prerequisite, course 100 unless the two are taken simultaneously. **3 s.h.**

PROFESSOR RANKIN

207. Fundamental Concepts of Algebra and Geometry.—Prerequisite, course 100. **3 s.h.**

PROFESSOR RANKIN

225. Theory of Equations and Determinants.—Prerequisite, course 55. **3 s.h.**

ASSISTANT PROFESSOR THOMAS

226. Galois Theory of Equations.—Prerequisite, course 225. **3 s.h.**

ASSISTANT PROFESSOR CARLITZ

228. Number Theory.—Prerequisite, course 100. **3 s.h.**

ASSISTANT PROFESSOR ROBERTS

229. Theory of Algebraic Numbers.—Prerequisite, course 225. **3 s.h.**

ASSISTANT PROFESSOR CARLITZ

231. Differential Equations.—Prerequisite, course 100. **3 s.h.**

PROFESSOR ELLIOTT

* This course carries graduate credit only for students whose major subject is education.

- 235-236. Modern Higher Algebra.**—Prerequisite, course 55. **6 s.h.**
ASSISTANT PROFESSOR CARLITZ
- 239-240. Advanced Calculus.**—Prerequisite, course 100. **6 s.h.**
PROFESSOR ELLIOTT
- 250. Modern Geometry.**—Prerequisite, course 55. **3 s.h.**
PROFESSOR RANKIN
- 252. Non-Euclidean Geometry.**—Prerequisite, course 100. **3 s.h.**
ASSISTANT PROFESSOR ROBERTS
- 255-256. Projective Geometry.**—Prerequisite, course 55. **6 s.h.**
ASSISTANT PROFESSOR THOMAS
- 259-260. Analytic Geometry of Space.**—Prerequisite, course 55. **6 s.h.**
PROFESSOR ELLIOTT
- 275. Probability.**—Prerequisite, course 100. **3 s.h.**
ASSISTANT PROFESSOR MILES
- 276. Probability.**—Continuation of course 275. **3 s.h.**
ASSISTANT PROFESSOR MILES
- 280. Fourier's Series and Spherical Harmonics.**—Prerequisite, course 100.
3 s.h.
ASSISTANT PROFESSOR DALE
- 281. Elementary Potential Theory.**—Prerequisite, course 100. **3 s.h.**
ASSISTANT PROFESSOR MILES
- 284. Vector Analysis.**—Prerequisite, course 100. **3 s.h.**
PROFESSOR ELLIOTT
- FOR GRADUATES
- 325-326. Functions of a Real Variable.**—Prerequisite, course 240.
ASSISTANT PROFESSOR ROBERTS
- 327-328. Modern Theories of Integration.**—Prerequisite, course 239-
240. **6 s.h.**
ASSISTANT PROFESSOR MILES
- 330-331. Theory of Functions of a Complex Variable.**—Prerequisite,
course 239-240. **6 s.h.**
ASSISTANT PROFESSOR HICKSON
- 332. Elliptic Functions.**—Prerequisite, course 239-240. **3 s.h.**
ASSISTANT PROFESSOR CARLITZ
- 333-334. Analytic Theory of Numbers.**—Prerequisite, course 325-326. **6
s.h.**
ASSISTANT PROFESSOR CARLITZ
- 335-336. Infinite Series.**—Prerequisite, course 239-240. **6 s.h.**
ASSISTANT PROFESSOR DALE

- 337-338. Existence Theorems.**—Prerequisite, course 239-240. **6 s.h.**
ASSISTANT PROFESSOR THOMAS
- 340-341. Integral Equations.**—Prerequisites, courses 231 and 239-240. **6 s.h.**
PROFESSOR ELLIOTT
- 342-343. Theory of Differential Equations.**—Prerequisites, courses 231 and 239-240. **6 s.h.**
PROFESSOR ELLIOTT
- 345-346. Calculus of Variations.**—Prerequisites, courses 231 and 239-240. **6 s.h.**
ASSISTANT PROFESSOR HICKSON
- 350-351. Differential Geometry.**—Prerequisites, courses 231 and 239-240. **6 s.h.**
ASSISTANT PROFESSOR THOMAS
- 355. Algebraic Geometry.**—Prerequisite, course 255. **3 s.h.**
ASSISTANT PROFESSOR DALE
- 375-376. Partial Differential Equations.**—Prerequisites, courses 231 and 239-240. **6 s.h.**
ASSISTANT PROFESSOR MILES
- 380-381. Potential Theory.**—Prerequisite, course 325-326, unless the two courses are taken simultaneously. **6 s.h.**
ASSISTANT PROFESSOR MILES

PHILOSOPHY

FOR SENIORS AND GRADUATES

- 201-202. The Philosophy of Art.**—**6 s.h.** PROFESSOR GILBERT
- 203. The Philosophy of Conduct.**—**3 s.h.** PROFESSOR CRANFORD
- 204. Christian Ethics.**—**3 s.h.** PROFESSOR CRANFORD
- 205. The Philosophy of History.**—**3 s.h.** PROFESSOR WIDGERY
- 209-210. The Philosophy of Religion.**—**6 s.h.** PROFESSOR WIDGERY
- 211-212. The History of Philosophy.**—**6 s.h.** PROFESSOR WIDGERY
[Not offered in 1934-1935]
- 213-214. History of Aesthetics.**—**6 s.h.** PROFESSOR GILBERT
[Not offered in 1934-1935]
- 216. Contemporary Philosophy.**—**3 s.h.** PROFESSOR WIDGERY
- 221. Spinoza.**—**3 s.h.** PROFESSOR GILBERT
- 223-224. Idealism and Rationalism.**—**6 s.h.** PROFESSOR CRANFORD

226. Outlines of the History of Ethics.—3 s.h. PROFESSOR WIDGERY
[Not offered in 1934-1935]

227. Hegel.—3 s.h. PROFESSOR GILBERT
[Not offered in 1934-1935]

FOR GRADUATES

301-302. Seminar in Philosophy.—4 s.h. PROFESSOR WIDGERY

303. Seminar in the History of Modern Philosophy.—4 s.h. PROFESSOR WIDGERY
[Not offered in 1934-1935]

PHYSICS

FOR SENIORS AND GRADUATES

The following courses are arranged primarily for senior students, but they are open to graduate students. An elementary knowledge of the calculus and credit for 12 semester-hours in Physics is presumed in all of the following courses.

201-202. Principles of Radio Transmission and Reception.—Prerequisite, Physics 53 or equivalent. **6 s.h.**

DR. MOUZON

203-204. Analytical Mechanics.—6 s.h.

DR. MOUZON

205-206. Physical Optics.—6 s.h.

PROFESSOR HATLEY

207-208. Electricity and Magnetism.—6 s.h.

ASSISTANT PROFESSOR CONSTANT

209. Thermodynamics.—3 s.h.

ASSISTANT PROFESSOR NIELSEN

210. Introduction to the Quantum Theory.—Prerequisite, Physics 209. **3 s.h.**

ASSISTANT PROFESSOR CONSTANT

211-212. History of Physics.—2 s.h.

PROFESSOR EDWARDS

FOR GRADUATES

301-302. Advanced Physical Laboratory.—

ASSISTANT PROFESSOR CONSTANT

303-304. Kinetic Theory of Matter.—6 s.h.

ASSISTANT PROFESSOR NIELSEN

307-308. Light.—6 s.h.

PROFESSOR HATLEY

- 311. Conduction of Electricity through Gases.—3 s.h.**
PROFESSOR EDWARDS
- 312. Spectroscopy.—3 s.h.**
PROFESSOR EDWARDS
- 313-314. Thermionic Vacuum Tubes and Radio-Frequency Measurements.—**
Prerequisite, Physics 201-202. **6 s.h.**
DR. MOUZON
- 315-316. Principles of the Quantum Theory.—6 s.h.**
ASSISTANT PROFESSOR CONSTANT
- 317. Advanced Dynamics.—**Prerequisites, Mathematics 231, 239, 240,
and Physics 203-204. **3 s.h.**
DR. MOUZON
- 320. X-rays.—3 s.h.**
PROFESSOR HATLEY
- 321-322. Electrodynamics.—6 s.h.**
ASSISTANT PROFESSOR CONSTANT
- 323. Theory of Atomic Spectra.—3 s.h.**
ASSISTANT PROFESSOR NIELSEN
- 324. Theory of Molecular Spectra.—3 s.h.**
ASSISTANT PROFESSOR NIELSEN
- 325. Statistical Mechanics.—3 s.h.**
ASSISTANT PROFESSOR NIELSEN
- 327-328. A Survey of Physics.—6 s.h.**
PROFESSOR HATLEY
- 329. Introduction to Mathematical Physics.—**Prerequisites, Mathematics
280, 284, and Mathematics 375 may be taken concurrently. **3 s.h.**
ASSISTANT PROFESSOR CONSTANT
- 351-352. Physics Seminar.—2 s.h.**
DR. MOUZON
- Courses in Electrical Engineering open to students in Physics desiring
minor work in Electrical Engineering.
- 257. Principles of Electrical Engineering: Advanced Alternating Currents.—**
Prerequisites, course 151-152, Mathematics 25, 30, and 231. **3 s.h.**
PROFESSOR SCHEALER
- 258. Principles of Electrical Engineering: Advanced Alternating Current
Machinery.—**Prerequisite, Engineering 257. **6 s.h.**
PROFESSOR SCHEALER
- 261-262. High-Frequency Alternating Currents.—**Prerequisite, Math-
ematics 231. **6 s.h.**
PROFESSOR SEELEY

263-264. Mathematical Analysis of Electrical Circuits.—Prerequisites, Physics 151-152 and Mathematics 231. **6 s.h.**

PROFESSOR SEELEY

POLITICAL SCIENCE

FOR SENIORS AND GRADUATES

207. American Constitutional Law and Theory.—**3 s.h.**

PROFESSOR WILSON

209. State and Local Governments in the United States.—**3 s.h.**

PROFESSOR RANKIN

223. Political Thought to the Seventeenth Century.—**3 s.h.**

PROFESSOR WILSON

[Not offered in 1934-1935]

224. Modern Political Theory.—**3 s.h.**

PROFESSOR WILSON

[Not offered in 1934-1935]

225-226. Comparative Government.—**6 s.h.**

PROFESSOR RANKIN

227-228. International Law and International Organization.—

PROFESSOR WILSON

229. American Political Institutions.—**3 s.h.**

PROFESSOR RANKIN

[Not offered in 1934-1935]

294. Municipal Government and Administration.—**3 s.h.**

PROFESSOR RANKIN

FOR GRADUATES

328. Seminar in International Law.—**3 s.h.**

PROFESSOR WILSON

PSYCHOLOGY

FOR SENIORS AND GRADUATES

201. Social Psychology.—**2 s.h.**

[Not offered in 1934-1935]

PROFESSOR McDUGALL

202. Psychology of Aesthetics.—**3 s.h.**

ASSOCIATE PROFESSOR LUNDHOLM

207. Experimental Psychology.—**3 s.h.**

ASSISTANT PROFESSOR ZENER

[Not offered in 1934-1935]

- 208. Neurological Foundations of Psychology.—4 s.h.**
ASSISTANT PROFESSOR ZENER
[Not offered in 1934-1935]
- 209. Advanced Laboratory Psychology.—4 s.h.**
ASSISTANT PROFESSOR ZENER
- 210. Psysiological Psychology.—3 s.h.**
ASSISTANT PROFESSOR ZENER
- 212. Introduction to and Critical Survey of Parapsychology (Psychical Research.—1 s.h.**
ASSOCIATE PROFESSOR RHINE
- 215. Child Psychology.—3 s.h.**
ASSISTANT PROFESSOR ADAMS
- 216. Seminar in Comparative Psychology.—2 or 3 s.h.**
ASSISTANT PROFESSOR ADAMS
[Not offered in 1934-1935]
- 217. Gestalt Theory.—3 s.h.**
ASSISTANT PROFESSOR ADAMS
[Not offered in 1934-1935]
- 219. History of Psychology.—2 s.h.**
PROFESSOR MCDUGALL
- 221. Psychology of Suggestion and Hypnosis.—**(Students admitted by consultation with instructor.) **2 s.h.**
ASSOCIATE PROFESSOR RHINE
[Not offered in 1934-1935]
- 223. Abnormal Psychology.—3 s.h.**
ASSOCIATE PROFESSOR LUNDHOLM
- 231-232. Introduction to Research.—**Selected seniors only. **2 or 3 s.h.**
PROFESSORS MCDUGALL AND STERN,* ASSOCIATE PROFESSORS LUNDHOLM AND RHINE, ASSISTANT PROFESSORS ADAMS AND ZENER
- 224. Laboratory Methods in Animal Psychology.—3 s.h.**
ASSISTANT PROFESSOR ADAMS
- FOR GRADUATES
- 302. Seminar in Abnormal Psychology.—2 or 3 s.h.**
ASSOCIATE PROFESSOR LUNDHOLM
- 305. Seminar.—2 or 3 s.h.**
PROFESSOR MCDUGALL
- 303-304. Research.—2 or 3 s.h.**
PROFESSORS MCDUGALL AND STERN, ASSOCIATE PROFESSORS LUNDHOLM AND RHINE, ASSISTANT PROFESSORS ADAMS AND ZENER

* For academic year 1934-1935.

306. Seminar in Child Psychology.—2 or 3 s.h.

ASSISTANT PROFESSOR ADAMS

[Not offered in 1934-1935]

307-308. Seminar.—2 or 3 s.h.

PROFESSOR STERN

309. Theory of Learning.—3 s.h.

ASSISTANT PROFESSOR ADAMS

RELIGION

NEW TESTAMENT

FOR SENIORS AND GRADUATES

213-214. The Beginnings of Christianity.—6 s.h.

PROFESSOR BRANSCOMB

217. The New Testament in Greek.—Prerequisite, six semester-hours study of the Greek language. **3 s.h.**

DR. CLARK

218. Galatians and 1 Corinthians.—Prerequisite, New Testament 217 or its equivalent. **3 s.h.**

DR. CLARK

[Not offered in 1934-1935]

219. Life of Paul.—3 s.h.

PROFESSOR MYERS

[Not offered in 1934-1935]

220. 1 Peter and the Gospel of John.—Prerequisite, New Testament 217 or its equivalent. **3 s.h.**

DR. CLARK

FOR GRADUATES

311. The Life and Teachings of Jesus.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

312. New Testament Theology.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

314. Romans, James and 1 John.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

315. Judaism at the Beginning of the Christian Era.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite, New Testament 213-214. **3 s.h.**

DR. CLARK

317. Textual Criticism.—Prerequisite, New Testament 213-214 and six semester-hours study of the Greek language. **6 s.h.**

PROFESSOR BRANSCOMB

411-412. Seminar.—Admission by special permission. **4 s.h.**

PROFESSOR BRANSCOMB

OLD TESTAMENT

FOR SENIORS AND GRADUATES

201-202. Introductory Hebrew.—**6 s.h.**

PROFESSOR _____

203-204. Introduction to the Old Testament.—**6 s.h.**

PROFESSOR RUSSELL

FOR GRADUATES

301. Old Testament Theology.—Prerequisite, Old Testament 203-204.
3 s.h.

PROFESSOR RUSSELL

302. The Exegesis of Selected Books of the Old Testament.—Prerequisite,
Old Testament 203-204. **3 s.h.**

PROFESSOR RUSSELL

303. Old Testament Literature.—

PROFESSOR RUSSELL

305-306. Pre-Mosaic Hebrew Religion.—**6 s.h.**

PROFESSOR _____

[Not offered in 1934-1935]

307-308. The Old Testament in Hebrew.—**6 s.h.**

PROFESSOR _____

309-310. Ancient Oriental History.—**6 s.h.**

PROFESSOR _____

CHRISTIAN DOCTRINE

FOR GRADUATES

321. Introduction to the Science of Theology.—**3 s.h.**

PROFESSOR ROWE

322. The Content of Christian Doctrine.—**3 s.h.**

PROFESSOR ROWE

323. Theology in Ancient and Medieval Christianity.—Prerequisite,
Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

324. Theology in Modern Christianity.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

325. Soteriology.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

326. Eschatology.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

HISTORY OF RELIGION AND MISSIONS

FOR SENIORS AND GRADUATES

281. The Nature and Early Development of Religion.—**3 s.h.**

PROFESSOR CANNON

282. Living Religions of the World.—**3 s.h.**

PROFESSOR CANNON

283. Expansion of Christianity.—**3 s.h.**

PROFESSOR CANNON

285. The Religions of Eastern Asia.—**3 s.h.**

PROFESSOR CANNON

[Not offered in 1934-1935]

286. The Religions of India.—**3 s.h.**

PROFESSOR CANNON

[Not offered in 1934-1935]

381. Ideas of God, Sin and Salvation in the Religions of the World.—Prerequisites, History of Religion and Missions 281 or 282. **3 s.h.**

PROFESSOR CANNON

382. Ideas of the Future Life and Ethics in the Religions of the World.—Prerequisites, History of Religion and Missions 281 or 282. **3 s.h.**

PROFESSOR CANNON

383. Buddhism.—Prerequisites, History of Religion and Missions 282. **3 s.h.**

PROFESSOR CANNON

[Not offered in 1934-1935]

384. Mohammedanism.—Prerequisites, History of Religion and Missions 282. **3 s.h.**

PROFESSOR CANNON

[Not offered in 1934-1935]

481-482. Seminar.—Prerequisite, six semester-hours in the department. **4 s.h.**

PROFESSOR CANNON

CHURCH HISTORY

FOR SENIORS AND GRADUATES

233. Church History to the Reformation.—3 s.h.

PROFESSOR GARBER

234. History of the Evangelical Movement.—3 s.h.

PROFESSOR GARBER

FOR GRADUATES

333. Protestantism and Catholicism in Europe since 1800.— Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

334. The Church in America: the National Period.— Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

335. Great Men of the Christian Church.— Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

336. Religion in the Southern States since the Civil War.— Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

337. Methodism.— Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

431-432. Seminar.—4 s.h.

PROFESSOR GARBER

RELIGIOUS EDUCATION

FOR SENIORS AND GRADUATES

261. An Educational Approach to Religion.—3 s.h.

PROFESSOR SMITH

262. Organization of Religious Education.—3 s.h.

PROFESSOR SPENCE

263. Curriculum of Religious Education.—3 s.h.

PROFESSOR SPENCE

264. Technic of Teaching Religion.—3 s.h.

PROFESSOR SPENCE

266. Educational Aspects of Worship.—3 s.h.

PROFESSOR SMITH

FOR GRADUATES

362. Religious Education in Social Reconstruction.—Prerequisites, three semester-hours in sociology and Religious Education 261 or its equivalent. **3 s.h.**

PROFESSOR SMITH

[Not offered in 1934-1935]

353-364. Religious Education and American Civilization.—Prerequisite, Religious Education 261, or its equivalent. **4 s.h.**

PROFESSOR SMITH

365. Seminar in Character Education and the State.—Prerequisite, Religious Education 261 or its equivalent. **2 s.h.**

PROFESSOR SMITH

366. Seminar in Philosophy of Religious Education.—Prerequisite, Religious Education 261 or its equivalent. **2 s.h.**

PROFESSOR SMITH

381-382. Thesis Seminar.—**4 s.h.**

PROFESSOR SMITH

PSYCHOLOGY OF RELIGION

FOR SENIORS AND GRADUATES

275. Introduction to the Psychology of Religion.—**3 s.h.**

PROFESSOR HICKMAN

276. Advanced Psychology of Religion.—Prerequisite, Psychology of Religion 275 or its equivalent. **3 s.h.**

PROFESSOR HICKMAN

FOR GRADUATES

371. The Genetic Psychology of Religion.—Prerequisite, Psychology of Religion 275 or its equivalent. **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

372. Mysticism in Religion.—Prerequisite, Psychology of Religion 275 or its equivalent. **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

373. Pastoral Psychology.—**3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

377-378. Seminar: Theories of Self.—**4 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

HOMILETICS AND PRACTICAL THEOLOGY

FOR SENIORS AND GRADUATES

251. *The Rural Church and Sociology.*—3 s.h. PROFESSOR ORMOND

252. *Rural Church Administration.*—3 s.h. PROFESSOR ORMOND

FOR GRADUATES

344. *Psychology of Preaching.*—3 s.h. PROFESSOR HICKMAN

ROMANCE LANGUAGES

FRENCH

FOR SENIORS AND GRADUATES

215-216. *The Modern French Novel.*—6 s.h. PROFESSOR JORDAN

217. *The French Language.*—3 s.h. PROFESSOR WEBB

218. *Materials and Methods.*—3 s.h. PROFESSOR WEBB

219. *Old French.*—3 s.h. PROFESSOR COWPER

220. *Old French.*—3 s.h. PROFESSOR COWPER
[Not offered in 1934-1935]

231. *Rousseau and the Beginnings of Romanticism.*—3 s.h. PROFESSOR COWPER
[Not offered in 1934-1935]

FOR GRADUATES

323-324. *Realism and Naturalism.*—6 s.h. PROFESSOR JORDAN
[Not offered in 1934-1935]

325. *Sixteenth Century Prose.*—3 s.h. ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]

326. *Sixteenth Century Prose.*—3 s.h. ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]

327. *Sixteenth Century Poetry.*—3 s.h. ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]

328. *Anatole France.*—3 s.h. ASSISTANT PROFESSOR WALTON

329. *History of French Civilization.*—3 s.h. PROFESSOR WEBB
[Not offered in 1934-1935]

330. *Victor Hugo.*—3 s.h. PROFESSOR WEBB
[Not offered in 1934-1935]

- 331. Diderot and the Encyclopédie.—3 s.h.** PROFESSOR COWPER
[Not offered in 1934-1935]
- 332. History of the French Language.—3 s.h.** PROFESSOR COWPER
- 333-334. French Literature, 1890-1914.—6 s.h.** PROFESSOR JORDAN
- 336. French Poetry since Théophile Gautier.—3 s.h.**
ASSISTANT PROFESSOR WALTON
[Not offered in 1934-1935]

SPANISH

FOR SENIORS AND GRADUATES

- 261-262. The Modern Spanish Novel.—6 s.h.** ASSOCIATE PROFESSOR LUNDEBERG
[Not offered in 1934-1935]
- 263-264. The Modern Spanish Theater.—6 s.h.** ASSOCIATE PROFESSOR LUNDEBERG
[Not offered in 1934-1935]
- 265. Literature of the Golden Age: Prose.—3 s.h.** ASSOCIATE PROFESSOR LUNDEBERG
- 266. Literature of the Golden Age: Drama.—3 s.h.** ASSOCIATE PROFESSOR LUNDEBERG

SOCIOLOGY

FOR SENIORS AND GRADUATES

- 205. Social Pathology.—3 s.h.** PROFESSOR JENSEN
- 206. Criminology.—Prerequisite, Sociology 101. 3 s.h.** PROFESSOR JENSEN
- 212. Child Welfare.—3 s.h.** PROFESSOR JENSEN
- 213. Constructive Social Policies.—2 s.h.**
[Not offered in 1934-1935]
- 215. Rural Sociology.—3 s.h.**
[Not offered in 1934-1935]
- 216. Urban Sociology.—3 s.h.** PROFESSOR JENSEN
- 217. General Anthropology.—3 s.h.** PROFESSOR ELLWOOD
- 218. Cultural Anthropology.—3 s.h.** PROFESSOR ELLWOOD

227. Emigration and Immigration.—3 s.h.

PROFESSOR JENSEN

[Not offered in 1934-1935]

FOR GRADUATES

301. Sociology and Religion.—Prerequisite, eighteen hours of undergraduate work in the social sciences, namely, in Sociology, History, Economics, Political Science, Psychology, and Philosophy. **3 s.h.**

PROFESSOR JENSEN

319. Principles of Sociology.—

PROFESSOR ELLWOOD

320. History of Social Philosophy.—3 s.h.

PROFESSOR ELLWOOD

322. Methods of Social Research.—3 s.h.

PROFESSOR JENSEN

330. Seminar.—2 s.h.

PROFESSORS ELLWOOD AND JENSEN

ZOOLOGY

FOR SENIORS AND GRADUATES

215. Cytology.—Prerequisites, Zoölogy 1, 2, and 156 or equivalent. **4 s.h.**

ASSISTANT PROFESSOR HOPKINS

219-220. Special Problems.—

THE STAFF

222. Entomology.—Prerequisite, one year of Zoölogy. **4 s.h.**

ASSISTANT PROFESSOR GRAY

225. Experimental Embryology.—2 or more s.h.

PROFESSOR CUNNINGHAM

228. Endocrinology.—2 or more s.h.

PROFESSOR CUNNINGHAM

[Not offered in 1934-1935]

FOR GRADUATES

301. Animal Behavior.—2 s.h.

PROFESSOR PEARSE

[Not offered in 1934-1935]

303. Ecology.—2 s.h.

PROFESSOR PEARSE

304. Advanced Parasitology.—2 or more s.h.

PROFESSOR PEARSE

306. Advanced Ecology.—4 s.h.

PROFESSOR PEARSE

312. Morphology and Taxonomy of Protozoa.—2 or more s.h.

ASSISTANT PROFESSOR HOPKINS

[Not offered in 1934-1935]

314. Physiology of Protozoa.—2 or more s.h.

ASSISTANT PROFESSOR HOPKINS

321. General Physiology.—4 s.h.

PROFESSOR HALL

324. Advanced Physiology.—4 s.h.

PROFESSOR HALL

340. Germ Cells of Animals.—Prerequisites, Zoölogy 53, 156, and 192 or equivalents. 4 s.h.

PROFESSOR HARGITT

[Not offered in 1934-1935]

341. Historical and Philosophical Zoölogy.—2 s.h.

PROFESSOR HARGITT

351-352. Zoölogical Journal Club.—Required of all graduate students who major in Zoölogy. 2 s.h.

STAFF

353-354. Research.—

STAFF

355-356. Seminar.—

(a) Embryology and Endocrinology.—

PROFESSOR CUNNINGHAM

(b) Comparative and General Physiology.—

PROFESSOR HALL

(c) Histology and Cytology.—

PROFESSOR HARGITT

(d) Protozoölogy.—

ASSISTANT PROFESSOR HOPKINS

(e) Ecology, Parasitology, and Behavior.—

PROFESSOR PEARSE

(f) Comparative Anatomy and Entomology.—

ASSISTANT PROFESSOR GRAY

COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

ANATOMY

M201. Gross Human Anatomy.—Prerequisites, Zoölogy 41 and 191 or the equivalent. (Maximum 8 s.h.)

DR. SWETT AND STAFF

M202. Microscopic Anatomy.—Prerequisite, Zoölogy 42 (General Histology) or its equivalent. (Maximum 2 s.h.)

DR. HETHERINGTON AND STAFF

M203. Anatomy of the Nervous System.—Prerequisite, Anatomy M201. (Maximum 4s.h.)

DR. HETHERINGTON

M204. Human Embryology.—Prerequisites, Zoölogy 41 and 191. (Maximum 2 s.h.)

DR. SWETT AND STAFF

M205. Regional Anatomy.—Prerequisites, Anatomy M201 and M202. (Maximum 3 s.h.)

DR. SWETT AND STAFF

BACTERIOLOGY AND IMMUNOLOGY

M221. Bacteriology and Immunology.—Prerequisites, courses in general zoölogy, general botany, histology and comparative anatomy, general and organic chemistry. 4 s.h.

DR. D. T. SMITH AND STAFF

BIOCHEMISTRY

M241. General Biochemistry.—Prerequisites, general chemistry, organic chemistry, elementary physical and analytical chemistry and at least one year of college biology. 6 s.h.

DR. PERLZWEIG, DR. TAYLOR, AND STAFF

M242. Biochemical Preparations.—Prerequisite, Biochemistry M241. 2 s.h.

DR. TAYLOR AND STAFF

M341. Pathological Chemistry.—Prerequisites, Biochemistry M241 and Physiology M261-2.

DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

PHYSIOLOGY AND PHARMACOLOGY

M261-2. Human Physiology and Pharmacology.—Prerequisites, Anatomy M201 and Biochemistry M241 (or equivalents) and at least one year of college physics. (Maximum 8 s.h.)

DR. EADIE, DR. McNIDER, AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—Prerequisite, Biochemistry M241. 2 s.h.

MRS. S. G. SMITH, DR. EADIE, DR. F. M. BERNHEIM

M361. Advanced Physiology.—Prerequisites, Physiology M261 and M262. 1 s.h.

DR. EADIE AND STAFF

OPPORTUNITIES FOR RESEARCH IN FORESTRY

Through placing the Duke Forest under intensive management for forestry purposes a beginning has been made in laying the foundations for educational work and research in forestry. The Duke Forest consists of approximately five thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region, composed of second-growth shortleaf pine, loblolly pine, and hardwoods, the Forest is representative of the various types of timber growth found throughout the region.

THE SUMMER SCHOOL

The Duke University Summer School is divided into three terms of six weeks each. Many courses giving graduate credit are offered by members of the University Faculty and by visiting professors.

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room rent—See the detailed statement that follows.	
Athletic fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage fee, payable annually at the time of first registration....	1.00
Medical fee, per semester.....	5.00
Library fee, per semester.....	5.00
Commencement fee, payable once by graduate students in the last semester before a degree is conferred.....	3.00
Diploma fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded...	5.00

For further information concerning room rent, see below.

SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research work in the summer under direction of a member of the faculty.

PAYMENTS TO FELLOWS AND SCHOLARS

Payments by the University of stipends to fellows and scholars are made in four instalments, on November 25, January 25, March 25, and May 25. Fellows and scholars are required to pay the regular tuition fee and such additional fees as are ordinarily required of graduate students.

ROOMS AND CONDITIONS OF RENTING THEM

ROOM RENT FOR MEN OF DUKE UNIVERSITY

West Campus, per semester.....\$50.00, \$62.50, and \$75.00
 East Campus, per semester.....\$30.00 and \$50.00
 All graduate courses are given on the West Campus.

ROOM RENT IN WOMAN'S COLLEGE

Single room, per student, per semester.....\$75.00
 Two-room suite (for two students), per student, per semester.... 75.00
 Double room, per student, per semester..... 50.00
 Double room, Jarvis House, per student, per semester..... 30.00

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a graduate student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum cost, while all charges made by the University have been kept low. Incidental expenses naturally depend upon the tastes and habits of the individual. The following table gives the necessary college expenses for one year:

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition	\$200.00	\$200.00	\$200.00
Matriculation	50.00	50.00	50.00
Room Rent	60.00	100.00	150.00
Board	225.00	225.00	225.00
Laundry	20.00	25.00	30.00
Books	22.50	30.00	45.00
Library Fee	10.00	10.00	10.00
Athletic Fee	10.00	10.00	10.00
Damage Fee	1.00	1.00	1.00
Medical Fee	10.00	10.00	10.00
	<hr/>	<hr/>	<hr/>
Total.....	\$608.50	\$661.00	\$731.00



THE SCHOOL OF LAW

1933-1934
ANNOUNCEMENTS FOR 1934-1935

MEMBER OF THE ASSOCIATION OF AMERICAN LAW SCHOOLS
APPROVED BY THE AMERICAN BAR ASSOCIATION

CALENDAR

1934

- September 18. Tuesday—Registration of Law Students.
September 20. Thursday—Commencement of Instruction.
November 11. Sunday—Armistice Day.
November 29. Thursday—Thanksgiving Day—A holiday.
December 11. Tuesday—Duke University Day—Not a holiday.
December 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

- January 3. Thursday, 8:40 A.M.—Instruction is resumed.
January 19. Saturday—Mid-year examinations begin.
January 30. Wednesday—Last day for matriculation for second semester.
January 31. Thursday—Second semester begins.
February 22. Friday—A holiday.
March 27. Wednesday, 4 P.M.—Easter recess begins.
April 3. Wednesday, 8:40 A.M.—Instruction is resumed.
May 22. Wednesday—Final examinations begin.
June 2. Sunday—President's address to graduating class.
June 3. Monday—Annual meeting of the Board of Trustees.
June 3. Monday—Annual meeting of the Alumni and Alumnae Councils.
June 4. Tuesday—Faculty breakfast for Law Seniors.
June 4. Tuesday morning—Commencement sermon.
June 4. Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business Meeting of the Alumnae Association.
June 4. Tuesday evening—Reception in honor of the graduating class.
June 5. Wednesday morning—Commencement address; graduating exercises.

FACULTY

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., LL.D.

PRESIDENT OF THE UNIVERSITY.

JUSTIN MILLER, A.B., LL.B., J.D.

DEAN AND PROFESSOR OF LAW.

A.B. 1911, Stanford University; LL.B., 1913, University of Montana; J.D. 1914, Stanford University; Asst. Instr. in Law, University of Montana, 1912-13; Instructor in English, Stanford University, 1913-14; general practice, 1914-21; Dist. Atty., King's County, Calif., 1915-18; Atty. for Calif. State Comm. of Immigration and Housing, 1919-21; Lecturer, University of California, summer 1920; Professor of Law, University of Oregon, 1921-23; University of Minnesota, 1923-26; Stanford University, summer 1926; University of California, 1926-27; Dean, School of Law, University of Southern California, 1927-30; Visiting Professor of Law, Columbia University, summer 1929; Dean and Professor of Law, Duke University, since 1930.

BRYAN BOLICH, A.B., B.A., M.A., B.C.L.

PROFESSOR OF LAW.

A.B. 1917, Duke University; Duke University Law School 1919-21; B.A. 1923, Oxford University; B.C.L. 1924, Oxford University; M.A. 1927, Oxford University; general practice, 1924-27; Professor of Law, Duke University, since 1927.

JOHN S. BRADWAY, A.B., A.M., LL.B.

PROFESSOR OF LAW AND DIRECTOR OF THE LEGAL AID CLINIC.

A.B. 1911, Haverford College; A.M. 1915, Haverford College; LL.B. 1914, University of Pennsylvania; general practice, 1914-29; Legal Aid Society of Philadelphia, 1914-20; chief counsel, Philadelphia Legal Aid Bureau, 1920-22; Secretary National Association of Legal Aid Organizations since 1923; Visiting Professor of Law and Director of the Legal Aid Clinic, University of Southern California, summer 1928; Professor of Law and Director of the Legal Aid Clinic, University of Southern California, 1929-31; Professor of Law and Director of Legal Aid Clinic, Duke University, since 1931.

PAUL WESLEY BRUTON, A.B., LL.B., J.S.D.

ASSOCIATE PROFESSOR OF LAW.

A.B. 1929, University of California; LL.B. 1929, University of California; J.S.D. 1930, Yale University; assistant to the Calif. Code Comm., summer 1930; Instructor in Law, Yale University, 1930-32; University of California, summer 1932; Associate Professor of Law, Duke University, since 1932.

THADDEUS DILLIARD BRYSON

PROFESSOR OF LAW.

Emory and Henry College, 1889-90; University of North Carolina, 1891-95; finished Law School, University of North Carolina, 1895; general practice, 1895-1918; Solicitor, 20th Judicial District, North Carolina, 1908-16; Judge, Superior Court, North Carolina, 1918-26; general practice, 1926-27; Professor of Law, Duke University, since 1927.

DAVID F. CAVERS, B.S., LL.B.

PROFESSOR OF LAW.

B.S. in Econ. 1923, University of Pennsylvania; LL.B. 1926, Harvard University; general practice, 1926-29; Instructor in Law, Harvard University, 1929-30; Assistant Professor of Law, West Virginia University, 1930-31; Assistant Professor of Law, Duke University, 1931-32; Professor of Law, Duke University, since 1932.

LESLIE CRAVEN, A.B., J.D.

PROFESSOR OF LAW.

A.B. 1909, Stanford University; Harvard Law School, 1909-10; J.D. 1911, Stanford University; general practice, 1912-16; assistant valuation counsel, 1916-18, and valuation counsel, 1919-32, for the associated Class I Western Railroads (Presidents' Conference Committee); Research staff, Federal Coördinator of Transportation, since 1933; Professor of Law, Duke University, since 1932.

LON L. FULLER, A.B., J.D.

PROFESSOR OF LAW.

A.B. 1924, Stanford University; J.D. 1926, Stanford University; Assistant Professor of Law, University of Oregon, 1926-27; Associate Professor of Law, University of Oregon, 1927-28; Associate Professor of Law, University of Illinois, 1928-30; University of Chicago, summer 1930, 1933; Professor of Law, University of Illinois, 1930-31; University of Washington, summer 1931; Professor of Law, Duke University, since 1931.

WARNER FULLER, B.S., LL.B.

ASSISTANT PROFESSOR OF LAW.

B.S. 1924, University of Oregon; LL.B. 1927, Yale University; research assistant, Yale Law School, 1927-28; general practice, 1928-32; Assistant Professor of Law, Duke University, since 1932.

H. CLAUDE HORACK, Ph.B., LL.B.

PROFESSOR OF LAW.

Ph.B. 1899, State University of Iowa; LL.B. 1900, State University of Iowa; LL.B. 1904, Harvard University; Assistant Professor of Law, University of Wisconsin, 1904-07; Professor of Law, State University of Iowa, 1907-30; University of Michigan, summer 1922; University of Wisconsin, summer 1924; University of Southern California, summer 1931; Advisor, Council of Legal Education and Admissions to the Bar of the American Bar Association, 1927-30; Secretary, Association of American Law Schools, 1926-28, President, 1929; Professor of Law, Duke University, since 1930.

DOUGLAS BLOUNT MAGGS, A.B., J.D., S.J.D.

PROFESSOR OF LAW.

A.B. 1922, University of California; J.D. 1924, University of California; S.J.D. 1926, Harvard University; general practice 1924-25; Assistant Professor of Law, University of California, 1926-27; Professor of Law, University of Southern California, 1927-30; Visiting Professor of Law, Columbia University, 1928-29; University of California, summer 1927; Cornell University, summer 1928; University of Chicago, summer 1929; Professor of Law, Duke University, since 1930.

MALCOLM McDERMOTT, A.B., LL.B.

PROFESSOR OF LAW AND DIRECTOR OF DEPARTMENT OF LEGISLATIVE RESEARCH AND DRAFTING.

A.B. 1910, Princeton University; LL.B. 1913, Harvard University; general practice, 1913-30; Dean, College of Law, University of Tennessee, 1920-30; University of Southern California, summer 1929; Professor of Law, Duke University, 1930-31; Professor of Law and Director of Department of Legislative Research and Drafting, since 1931.

GORDON E. DEAN, A.B., J.D., LL.M.

INSTRUCTOR IN LAW AND ASSISTANT TO THE DEAN.

A.B. 1927, University of Redlands; J.D. 1930, University of Southern California; LL.M. 1932, Duke University; Assistant to the Dean of the School of Law, Duke University, 1930-32; Instructor in Law and Assistant to the Dean of the School of Law, Duke University, since 1932.

MARSHALL TURNER SPEARS, A.B., A.M.

LECTURER IN LAW.

A.B. 1913, University of North Carolina; A.M. 1914, University of North Carolina; studied law, University of North Carolina, 1913-15; general practice, since 1915; Assistant Professor of Law, Duke University, 1927-1930; Lecturer in Law, since 1930.

WILLIAM R. ROALFE, LL.B.

LAW LIBRARIAN.

LL.B. 1922, University of Southern California; general practice, 1923-25; Law Librarian, University of Southern California, 1927-30; Law Librarian, Duke University, since 1930.

MARY SIMMONS COVINGTON, A.B., LL.B.

RESEARCH LIBRARIAN.

A.B. 1905, Shorter College; LL.B. 1922, George Washington University; general practice, 1924-30; Research Librarian, Duke University, since 1930.

FACULTY COMMITTEES

Committee on Coöperation with Medical School: John S. Bradway, Chairman, T. D. Bryson, H. C. Horack.

Committee on Curriculum: Paul W. Bruton, Chairman, Leslie Craven, Bryan Bolich, John S. Bradway, T. D. Bryson, Douglas B. Maggs, Malcolm McDermott.

Committee on Graduate Study: Lon L. Fuller, Chairman, Bryan Bolich, Leslie Craven, H. C. Horack, Douglas B. Maggs.

Committee on Rules: David F. Cavers, Chairman, Bryan Bolich, Paul W. Bruton.

Committee on Scholarship: Malcolm McDermott, Chairman, Warner Fuller, Leslie Craven.

ADVISORY COMMITTEE

A committee of representative men is being set up for the purpose of providing regional depositaries of information regarding the Law School and for the purpose of advising prospective students. Those members of the committee now selected are:

James A. Bell, Charlotte, North Carolina.

Norman A. Cocke, Charlotte, North Carolina.

Charles P. Megan, Chicago, Illinois.

William R. Perkins, New York City.

Daniel C. Roper, Washington, D. C.

William H. Sawyer, Concord, New Hampshire.

Willis Smith, Raleigh, North Carolina.

B. S. Womble, Winston-Salem, North Carolina.

ORGANIZATION, EQUIPMENT, AND SPECIAL ACTIVITIES

HISTORY AND ORGANIZATION

The School of Law of Trinity College was founded in the summer of 1904 upon an endowment established by James B. Duke and Benjamin N. Duke. Samuel Fox Mordecai, distinguished lawyer and teacher, organized the School and was its dean until his death in 1927. Its establishment set a new standard in Southern legal education in that it was the first school to require college work as preliminary to law study. It required the completion of two years of college work as a prerequisite to entrance, the case method was used as the basis of instruction, and the completion of three years resident study was required for a law degree.

In 1924 the School of Law became the law school of Duke University pursuant to the establishment of the Duke Endowment. In 1930 the School was moved into its new building, the faculty and library were greatly increased, and the activities of the School broadened. In 1931 the entrance requirement was raised from two, to the present requirement of three years of college work. The School of Law is a member of the Association of American Law Schools and is on the approved list of the American Bar Association.

The ideas of the founder with reference to the University and its training of lawyers is thus expressed in the indenture and deed of trust establishing the Duke Endowment:

I have selected Duke University as one of the principal objects of this trust, because I recognize that education, when conducted along sane and practical, as opposed to dogmatic and theoretical lines, is next to religion, the greatest civilizing influence. I request that this institution secure for its officers, trustees and faculty men of such outstanding character, ability and vision as will assure its attaining and maintaining a place of real leadership in the educational world, and that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination and application evincing a wholesome and real ambition for life. And I advise that the courses at this institution be arranged, first, with special

reference to the training of preachers, lawyers and physicians, because these are most in the public eye, and by precept and example can do most to uplift mankind. . . .

PURPOSES AND METHOD OF INSTRUCTION

The School of Law offers such courses in its curriculum as will provide an adequate preparation for the practice of law in any state. Through facilities for study and research, training is afforded for those looking to the teaching of law as a profession, as well as those desiring to specialize in particular branches of the law. In addition, several courses are offered for the benefit of students intending to practice in North Carolina.

To provide scope for creative work by the student, seminar courses and the courses in Current Decisions are offered. To achieve balance between intellectual discipline and that practical training which the young lawyer is otherwise left to obtain at the expense of his clients, courses are offered in Research and Briefing and Practice Court, and the third-year class participates in the work of the Legal Aid Clinic, described below.

THE LAW SCHOOL BUILDING

The law building, like all other structures on the main campus of Duke University, is in Tudor Gothic style of colorful Cambrian stone from the Duke University quarries. It was occupied by the School of Law for the first time in September, 1930. In it are classrooms, seminar rooms, offices for faculty and staff, quarters for a Legal Aid Clinic, a Department of Legislative Research and Drafting, a court room equipped for trial court and appellate court sessions, and the law library.

THE LAW LIBRARY

The Law Library contains a collection of more than forty-eight thousand volumes and is the largest law school library in the South. It consists of American and English statutory and case law; a collection of Continental Law materials; treatises, digests, encyclopedias; the various selected case series; a comprehensive collection of legal periodicals; publications in the fields of history, economics, government, and the other social

sciences, supplemental to the strictly legal materials; and a special collection of legal biographical material. The library now subscribes to every current legal periodical of general interest printed in the English language.

LEGISLATIVE RESEARCH AND DRAFTING

The Department of Legislative Research and Drafting has been organized to serve as a legislative reference and drafting bureau, wherein students of legislation may obtain actual experience and training in the drafting of statutes and the research work incident thereto. The Department's activities include not only the preparation of bills and the investigation of facts on which particular legislation is predicated, but also the making of studies on subjects connected with legislative policy.

THE LEGAL AID CLINIC

A Legal Aid Clinic was organized at the School of Law in 1931 under the direction of Professor John S. Bradway, who had directed similar undertakings in Philadelphia and Los Angeles. The purpose of the Clinic is twofold: to provide legal assistance for indigent persons, and to acquaint the student, by direct contact under faculty supervision, with certain of the problems of "law in action" which may escape emphasis in the study of "law in books."

THE PRACTICE COURSE

The practice course in the School of Law is under the direction of Judge T. D. Bryson, for eight years Judge of the Superior Court from the Twentieth Judicial District of North Carolina. The object of the course is to offer third-year students an opportunity to visualize by actual experience the application of the principles of law imparted in other courses.

LEGAL PERIODICALS

The first issue of *Law and Contemporary Problems*, a quarterly published by the School of Law under the editorship of Professor Cavers, appeared in December, 1933. This periodical will present in each issue a symposium on a problem of current

legal importance in which the interrelated social and economic, as well as legal, factors will be discussed by writers of competence in these respective fields. Where student research may contribute to the understanding of the legal aspects of such problems, student writings are accepted for publication. The topics discussed in the issues of *Law and Contemporary Problems* which have appeared to date are "The Protection of the Consumer of Food and Drugs" and "Low-Cost Housing and Slum Clearance."

The Duke Bar Association began in 1933 the publication of the *Duke Bar Association Journal* in which appear reports of addresses made before the Association by distinguished guests, proceedings of the Association at its regular meetings, and items of interest concerning the School. To afford a medium for the publication of the student notes and comments on recent important decisions prepared in the Current Decisions course without necessitating the inclusion in the quarterly of the department of student work usual in "law reviews," the *Journal* publishes such notes and comments as are deemed by the editors to be of special merit. Professor Cavers serves as adviser to the student editorial board of the *Journal*.

THE DUKE BAR ASSOCIATION

The Duke Bar Association was established in the spring of 1931. It is composed of all the students of the Law School and is organized along the lines of the American Bar Association. Its purpose is to introduce the student to the problems considered by the bar in professional organizations and to develop in the student feelings of professional consciousness and professional responsibility. Its activities are carried on by the students with the coöperation of Professor H. C. Horack of the Law Faculty as adviser.

ADMISSION OF STUDENTS

REQUIREMENTS FOR ADMISSION

Any person may be admitted to the study of law who has completed, with class standing satisfactory to the faculty, work equivalent to three-fourths of that acceptable for a Bachelor's degree in the undergraduate department of Duke University or of some other college or university of approved standing. Such work must have been completed with an average grade of "C" (on a scale in which "D" is a passing grade) or its equivalent.

COMBINED COURSE

Arrangements have been made with some colleges for students, who have completed therein three years of arts college work, to enter the Law School of Duke University and upon the satisfactory completion of the first year of law school work to receive their bachelor of arts degrees from such colleges. It is suggested that students, desiring to enter Duke University School of Law, make inquiry of the proper college authorities regarding this point.

A student in either of the liberal arts colleges of Duke University may complete in six years a combined course wherein he will have received his academic degree and also the degree of Bachelor of Laws. This arrangement is made possible under the following recommendations of the faculty of the arts colleges:

Students who have completed with not less than a C average at least 96 semester-hours of undergraduate work in the pre-legal group of studies in Duke University may on the approval of the Dean of the Undergraduate College transfer to this Law School and become eligible for the Bachelor's degree on the satisfactory completion of the full twenty-six semester-hours of work of the first year class in this school.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the Bachelor's degree.

ADMISSION TO ADVANCED STANDING

Any person, who had complied with the requirements for admission set forth on the preceding page prior to the commencement of his law study, who shall present evidence of the satisfactory completion of any part of the curriculum of the law school at any law school which is a member of the Association of American Law Schools, and who is eligible for readmission to the law school from which he proposes to transfer, may be admitted to advanced standing, subject to such rules as would be applicable to students in this school having a comparable scholastic record.

CANDIDATES FOR GRADUATE DEGREES

Applications for admission to graduate study should be addressed to the Dean of the Law School and should include transcripts of records of legal and pre-legal work.

REQUIREMENTS FOR BACHELOR OF LAWS DEGREE—STUDENT PROGRAMS

BACHELOR OF LAWS DEGREE

Upon favorable recommendation of the Faculty, the degree of Bachelor of Laws will be conferred on students who shall have successfully completed three years' study of law, the last full year of work immediately preceding the granting of such degree having, except under extraordinary circumstances, been completed in this School.

To be eligible for such degree, students must have successfully completed all required courses, except as hereinafter provided, and, in addition to the courses required in the first year program of study, at least forty-eight semester hours, or their equivalent, of law study, and have received an average grade of at least 60 in the second and third year work combined, or if such grade is lower than 60, have received an average grade of at least 60 in all work taken. Students who shall have spent only their third year of study in residence in this School must have received an average grade of at least 60 for that year.

THE FIRST YEAR PROGRAM

All of the first-year courses are required for graduation, and no second or third-year courses may be elected until the student has successfully completed or made provision for the completion of such first-year courses.

<i>Subject</i>	<i>Hours per semester</i>	
Contracts and Quasi-Contracts	4	3
Criminal Law and its Administration	3	3
Torts	3	3
Orientation and Introduction to Procedure	2	
Chattel Transactions		3
Possessory Estates		2
Legal Bibliography		(no credit)
	<hr/>	
	12	14

SECOND AND THIRD YEAR PROGRAMS

The course in Research and Briefing is required of those second-year students who have not been selected to take the course in Current Decisions I. The courses in Legal Ethics and in Legal Aid Clinic are required of all third-year students.

With the exceptions noted above, all courses offered for the second and third years are elective. For the guidance of second-year students in 1934-35, the faculty recommends the inclusion of the following courses in their programs of study:

<i>Subject</i>	<i>Hours per semester</i>	
Bills and Notes	2	
Security Transactions (Bills and Notes Prerequisite)		4
Equity	2	2
Trusts	2	2
Business Associations I		3
Constitutional Law I	3	
Land Transactions	3	
Pleading (Prerequisite to Practice)	2	1
Research and Briefing	1	1
	15	13

Of the remaining courses open to second-year students, those listed below are suggested as most suitable for study in that year, but it should be distinctly understood that the courses in this list are not suggested as either more or less suitable for study in the third year than those not included herein. In the selection of courses in addition to, or in substitution for, those recommended above, the student should consult the course groupings appearing at pages 211-213 of this Bulletin, so that he may choose those courses which will contribute most directly to his work in the field of study to which he wishes to devote his major efforts in the third year. The student intending to enter the general practice of law is cautioned, however, not to sacrifice, through undue concentration, the acquisition of a broad foundation for his subsequent activities.

<i>Subject</i>	<i>Hours per semester</i>	
Agency	2	
Constitutional Law II		2
Criminal Procedure		2

Family Law	2	
Future Interests		3
Landlord and Tenant		2
Legal Ethics	1	
Municipal Corporations	2	
Public Utilities	2	2
Wills and Administration of Estates		3

GRADUATE WORK IN LAW

GRADUATE DEGREES

The School of Law confers two graduate degrees, the degree of Master of Laws (LL.M.) and the degree of Doctor of Juridical Science (S.J.D.)

THE DEGREE OF MASTER OF LAWS

Upon favorable recommendation of the Faculty, the degree of Master of Laws will be conferred on students who have successfully completed during a period of residence at this school totalling at least one year the course of study prescribed for them by the Committee on Graduate Study.

THE COURSE OF STUDY. The course of study leading to this degree is designed to provide for the needs of two classes of students: (1) graduates of approved law schools who desire a fourth year of study for the purpose of undertaking an intensive study of some specialty, or who desire to broaden their legal education through the study of such subjects as jurisprudence, legal history, Roman law, and comparative law; (2) graduates of approved law schools who desire to teach law or engage in legal research and who intend to become candidates for the degree of Doctor of Juridical Science.

One year of resident study is required for the degree of Master of Laws. There is no thesis required. The course of study is prescribed by the Committee on Graduate Study after consultation with the individual student. Opportunity will be afforded the student to include in his program such second and third year law courses, not already completed, as are desirable for the rounding out or supplementing of his previous training. In some cases courses in other departments of the University may be included. In the case of students whose interest lies in further preparation for practice, the course will normally include registration in subjects totalling twelve hours each semester. In the case of students interested primarily in legal research, a lighter schedule, so far as enrollment in formal courses is concerned, may be arranged. In cases where less

than twelve hours' work is prescribed for either semester the Committee on Graduate Study may require that the student complete the work undertaken with a grade considerably higher than that required of candidates for the first degree in law.

THE DEGREE OF DOCTOR OF JURIDICAL SCIENCE

Upon favorable recommendation of the Faculty, the degree of Doctor of Juridical Science will be conferred on those holders of the degree of Master of Laws who, after an interval of at least one year following the awarding of the Master's degree, complete and submit an essay or series of essays considered by the faculty to be of distinguished character. Students who have received the degree of Master of Laws from another law school must thereafter spend at least one year in residence at this school and must complete a course of study or research prescribed by the Committee on Graduate study to be eligible for this degree.

COURSES OFFERED

(This is a condensed description of courses. For a full description, see Bulletin of the School of Law.)

1. CROSS SECTION AND GENERAL COURSES

Orientation and Introduction to Procedure.—Four hours a week the first four weeks; two hours a week thereafter, first semester. MR. DEAN

—Three hours a week throughout the year. MR. MAGGS

Equity.—Two hours a week throughout the year. MR. HORACK

Trusts.—Two hours a week throughout the year. MR. HORACK

Conflict of Laws.—Three hours a week, second semester. MR. CAVERS

Family Law.—Two hours a week, first semester. MR. BRADWAY

Family Law Seminar.—Two hours a week, second semester.
MR. BRADWAY

North Carolina Statutes.—Two hours a week, first semester.
MR. BRYSON

Legal Bibliography.—No credit. MR. ROALFE

Research and Briefing.—One hour throughout the year, in two sections.
MR. W. FULLER

Current Decisions I.—One hour throughout the year.
MR. DEAN AND THE STAFF

Current Decisions II.—One hour throughout the year.
MR. DEAN AND THE STAFF

2. BUSINESS COURSES

Contracts and Quasi-Contracts.—Four hours a week, first semester; three hours a week, second semester. MR. L. L. FULLER

Agency.—Two hours a week, first semester. MR. HORACK

Business Associations I.—Three hours a week, second semester.
MR. W. FULLER

Business Associations II—Finance.—Three hours a week, first semester.
MR. W. FULLER

Business Associations III—Corporate Reorganization.—Three hours a week, second semester. MR. W. FULLER

- Bills and Notes.**—Two hours a week, first semester. MR. BRUTON
- Chattel Transactions.**—Three hours a week, second semester.
MR. BRUTON
- Security Transactions.**—Four hours a week, second semester.
MR. BRUTON
- Creditors' Rights.**—Three hours a week, first semester. MR. BRUTON
- Credit Finance Seminar.**—Hours and credit to be arranged with the instructor. MR. BRUTON
- Public Utilities.**—Two hours a week throughout the year. MR. CRAVEN
- Seminar in Public Law—Regulation of Business and Business Practices.**
—One hour a week, second semester. MR. MAGGS

3. PROPERTY COURSES

- Possessory Estates**—Two hours a week, second semester. MR. BOLICH
- Land Transactions**—Three hours a week, first semester. MR. CAVERS
- Landlord and Tenant.**—Two hours a week, second semester.
MR. BOLICH
- Future Interests.**—Three hours a week, second semester. MR. BOLICH
- Seminar in Real Property.**—Hours and credit to be arranged with the instructor. MR. BOLICH
- Wills and Administration of Estates.**—Three hours a week, second semester.
MR. McDERMOTT
- Trusts.**—Two hours a week throughout the year. MR. HORACK

4. PUBLIC LAW COURSES

- Criminal Law and its Administration.**—Three hours a week throughout the year. MR. MILLER AND MR. DEAN
- Criminal Procedure.**—Two hours a week, second semester. MR. BRYSON
- Federal Jurisdiction and Procedure.**—Two hours a week, second semester.
MR. BRYSON
- Constitutional Law I.**—Three hours a week, first semester. MR. MAGGS
- Constitutional Law II.**—Two hours a week, second semester.
MR. MAGGS
- Administrative Law.**—Two hours a week throughout the year.
MR. CRAVEN
- Legislation.**—Two hours a week, first semester. MR. McDERMOTT

Legislation Seminar.—Two hours a week, second semester.

MR. McDERMOTT

Municipal Corporations.—Two hours a week, first semester.

MR. McDERMOTT

Municipal Corporations Seminar.—Two hours a week, second semester.

MR. McDERMOTT

Public Utilities.—Two hours a week throughout the year. MR. CRAVEN

Taxation.—Two hours a week throughout the year. MR. CRAVEN

Seminar in Public Law—Regulation of Business and Business Practice.—
One hour a week, second semester. MR. MAGGS

5. JURISPRUDENCE COURSES

Jurisprudence and Legal Method.—Three hours a week, second semester.

MR. L. L. FULLER

Legal History.—Three hours a week, first semester. MR. BOLICH

Seminar in Legal History.—Two hours a week, second semester.

MR. BOLICH

(Not to be offered 1934-1935.)

Roman Law.—Two hours a week, first semester. MR. L. L. FULLER

Orientation and Introduction to Procedure.—Four hours a week the first
four weeks; two hours a week thereafter, first semester. MR. DEAN

Criminal Procedure.—Two hours a week, second semester. MR. BRYSON

Federal Jurisdiction and Procedure.—Two hours a week, second semes-
ter. MR. BRYSON

Legal Ethics.—One hour a week, first semester.

MR. BRYSON

Legal Aid Clinic.—Two hours throughout the year. Two sections.

MR. BRADWAY

Pleading.—Two hours a week, first semester; one hour a week, second
semester. MR. BRYSON

Evidence.—Two hours a week throughout the year. MR. SPEARS

Practice.—Two hours a week throughout the year. MR. BRYSON

Student Editorial Work.—Credit for this work will be given in Cur-
rent Decisions. MR. CAVERS

Bar Association Activities.—Not for credit. MR. HORACK

GENERAL INFORMATION

MATRICULATION, REGISTRATION, AND ENROLLMENT

On the day of registration, September 18, 1934, the applicant must obtain from the Dean of the Law School an admission card, indicating that he is entitled to register. Registration is conducted in the law building. All students, both old and new, are required to register at the beginning of each semester, at which time class schedule and course cards must be filled out and approved.

FEES AND EXPENSES

Tuition and registration fees are due at the beginning of each semester. The matriculation fee is twenty-five dollars a semester. The tuition fee is one hundred dollars a semester. A damage fee of one dollar is collected at the beginning of the first semester only, an athletic fee of five dollars at the beginning of each semester, a library fee of five dollars each semester, and a medical fee of two dollars each semester. Payment of the medical fee entitles a student to infirmary treatment and to student rates for special treatment other than in the infirmary. Payment of the athletic fee entitles the student to admittance to all athletic events on the campus. The graduation fee, payable by all students to whom a degree is awarded, is ten dollars. Board may be secured at approximately \$25.00 per month at the Union. Furnished rooms may be secured in the dormitories of the University, at \$62.50 per semester; a very limited number of rooms are available at \$30.00 and \$50.00 per semester. These charges include light, heat, water, and janitor service. The cost of law books will average, through the three years, between \$20.00 and \$30.00 per semester.

SCHOLARSHIPS

A limited number of scholarships covering tuition and matriculation fees (approximately \$250.00) are available for graduates of approved American universities and colleges who are in need of such assistance. Applicants must have made excel-

lent records in their college work and must show unusual promise of success in the study of law.

These scholarships are awarded on a competitive basis. Applications therefor should be presented before the first of May to the Dean of the Law School, together with a transcript of college work and letters of recommendation from responsible school or other public officials, certifying to the character and fitness of the applicant.

Scholarships are, in addition, granted each year to the three students with the best scholastic records in the first and second year classes.

AWARDS

Willis Smith Prize. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of law school work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

ORDER OF THE COIF

A chapter of this national scholarship society has been established at Duke University School of Law. Its purpose is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Election is restricted to the ten per cent of the senior class who have attained the highest rank in their law school work.



THE SCHOOL OF MEDICINE

1933-1934

ANNOUNCEMENTS FOR 1934-1935

SCHOOL OF MEDICINE CALENDAR, 1934-1937

1934

- January 3 (Wednesday)—Registration of students, and winter quarter begins.
- February 22 (Thursday)—Washington's birthday (holiday).
- March 21 (Wednesday)—Winter quarter ends.
- March 26 (Monday)—Registration of students, and spring quarter begins.
- June 6 (Wednesday)—Commencement.
- June 9 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 16 (Saturday)—Spring quarter ends (1st year students).
- June 18 (Monday)—Registration of students, and summer quarter begins.
- July 4 (Wednesday)—Independence Day (holiday).
- September 1 (Saturday)—Summer quarter ends.
- October 1 (Monday)—Registration of students, and autumn quarter begins.
- November 29 (Thursday)—Thanksgiving Day (holiday).
- December 18 (Tuesday)—Autumn quarter ends.

1935

- January 3 (Thursday)—Registration of students, and winter quarter begins.
- February 22 (Friday)—Washington's birthday (holiday).
- March 21 (Thursday)—Winter quarter ends.
- March 25 (Monday)—Registration of students, and spring quarter begins.
- June 5 (Wednesday)—Commencement.
- June 8 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 15 (Saturday)—Spring quarter ends (1st year students).
- June 17 (Monday)—Registration of students, and summer quarter begins.
- July 4 (Thursday)—Independence Day (holiday).
- August 31 (Saturday)—Summer quarter ends.
- September 30 (Monday)—Registration of students, and autumn quarter begins.
- November 28 (Thursday)—Thanksgiving Day (holiday).
- December 20 (Friday)—Autumn quarter ends.

1936

- January 6 (Monday)—Registration of students, and winter quarter begins.
- February 22 (Saturday)—Washington's birthday (holiday).
- March 21 (Saturday)—Winter quarter begins.
- March 30 (Monday)—Registration of students, and spring quarter begins.
- June 10 (Wednesday)—Commencement.
- June 13 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 20 (Saturday)—Spring quarter ends (1st year students).
- June 22 (Monday)—Registration of students, and summer quarter begins.
- July 4 (Saturday)—Independence Day (holiday).
- September 5 (Saturday)—Summer quarter ends.
- October 5 (Monday)—Registration of students, and autumn quarter begins.
- November 26 (Thursday)—Thanksgiving Day (holiday).
- December 22 (Tuesday)—Autumn quarter ends.

1937

- January 4 (Monday)—Registration of students, and winter quarter begins.
- February 22 (Monday)—Washington's birthday (holiday).
- March 20 (Saturday)—Winter quarter ends.
- March 29 (Monday)—Registration of students, and spring quarter begins.
- June 9 (Wednesday)—Commencement.
- June 12 (Saturday)—Spring quarter ends (2d year and junior-senior students).
- June 19 (Saturday)—Spring quarter ends (1st year students).
- June 21 (Monday)—Registration of students, and summer quarter begins.
- July 5 (Monday)—Independence Day (holiday).
- September 4 (Saturday)—Summer quarter ends.
- October 4 (Monday)—Registration of students, and autumn quarter begins.
- November 25 (Thursday)—Thanksgiving Day (holiday).
- December 21 (Tuesday)—Autumn quarter ends.

OFFICERS OF ADMINISTRATION

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., LL.D.
President of the University

ROBERT LEE FLOWERS, A.M., LL.D.
Vice-President, Secretary, and Treasurer

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.
Vice-President

FRANK CLYDE BROWN, A.B., A.M., Ph.D.
Comptroller

CHARLES BLACKWELL MARKHAM, A.B., A.M.
Assistant Treasurer

WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A.,
D.Sc., M.D.
Dean of the School of Medicine

HELEN I. STOCKSDALE
Recorder of the School of Medicine

FACULTY OF THE SCHOOL OF MEDICINE

EDWIN PASCAL ALYEA, S.B., M.A., *Associate Professor of Surgery in charge of Urology*

S.B., Princeton, 1919; M.D., Johns Hopkins, 1923; Int. in Med.; Int. and Ass't. Res. in Surg.; Ass't. Res. and Res. in Urol., Johns Hopkins Hosp., 1923-1929; Ass't. and Instr. in Surg., and Instr. in Urol., Johns Hopkins Med. Sch., 1925-1930; *Urologist, Duke Hospital, 1929—*

WILLIAM BANKS ANDERSON, A.B., M.D., *Assistant Professor of Ophthalmology*

A.B., Univ. of North Carolina, 1920; M.D., Johns Hopkins, 1924; Int., Union Memorial Hospital, Baltimore, 1924-1925; Int., Massachusetts Eye and Ear Infirmary, 1925-1927; *Ophthalmologist, Duke Hospital, 1930—*

FREDERICK BERNHEIM, A.B., Ph.D., *Assistant Professor of Physiology and Pharmacology*

A.B., Harvard, 1925; Ph.D., Cambridge, 1928; Nat. Res. Council Fellow, Johns Hopkins Med. Sch., Dept. of Physiol. Chem., 1929-1930.

MARY LILIAS CHRISTIAN BERNHEIM, B.A., M.A., Ph.D., *Assistant Professor of Biochemistry*

B.A., M.A., and Ph.D., Cambridge, 1925, 1927, and 1929; Fellow Newnham College, 1927-1930.

BAYARD CARTER, A.B., B.A., M.A., M.D., *Professor of Obstetrics and Gynecology*

A.B., Delaware, 1920; B.A., and M.A., Oxford, 1923 and 1932; M.D., Johns Hopkins, 1925; member Obs. and Gyn. staff of New Haven Hosp. and Yale Med. Sch., 1925-1929; Assoc. Prof. Obs. and Gyn., and Head of Dept., Univ. of Va., Med. Dept., 1929-1931; *Obstetrician and Gynecologist, Duke Hospital, 1931—*

RAYMOND S. CRISPELL, A.B., M.D., *Associate Professor of Neuropsychiatry.*

A.B., and M.D., Cornell, 1917, 1920; Staff, Bloomingdale Hospital and Instr. in Neuro-anatomy, Cornell, 1920-1923; House Physician and Resident Neurologist, Bellevue Hosp., N. Y., 1921-1923; Fellow in Neurology, Univ. of Utrecht, Holland, 1925; Medical Director, Sahler Sanitarium, 1926-1933; *Psychiatrist, Duke Hospital, 1933—*

WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., D.Sc., M.D., *Dean of the School of Medicine, and Professor of Pediatrics*

A.B., Princeton, 1913; B.A., B.Sc., and M.A., Oxford, 1915, 1916 and 1919; M.D., Johns Hopkins, 1917; D.Sc., Wake Forest, 1932; Int. Radcliffe Infirmary, 1915-1916; Instr., Assoc., Assoc. Prof., Acting Head of Dept. of Ped., and Ass't. Dean, Johns Hopkins Med. Sch., 1919-1927; Ass't. Res., Assoc. Ped., Acting Pediatrician in Charge, Johns Hopkins Hosp., 1919-1927; *Pediatrician, Duke Hospital, 1927—*

GEORGE SHARP EADIE, M.A., M.B., Ph.D., *Professor of Physiology and Pharmacology*

M.A., and M.B., Toronto, 1923 and 1921; Ph.D., Cambridge, 1927; Demonstrator in Biochem., Toronto, 1923-1925; Ass't. in Physiol., Dalhousie, 1927-1928; Assoc. in Physiol., Johns Hopkins Med. Sch., 1928-1930.

WATT WEEMS EAGLE, A.B., M.D., *Associate Professor of Surgery in charge of Otolaryngology*

A.B., Univ. of North Carolina, 1918; M.D., Johns Hopkins, 1925; Int., Church Home and Infirmary, Baltimore, 1925-1926; Int., Ass't. Res., and Res. in Laryngol., Johns Hopkins Hosp., 1926-1929; Ass't. Instr. in Laryngol., Johns Hopkins Med. Sch., 1927-1930; *Otolaryngologist, Duke Hospital, 1929—*

WILEY DAVIS FORBUS, A.B., M.D., *Professor of Pathology*

A.B., Washington and Lee, 1916; M.D., Johns Hopkins, 1923; Ass't., Instr. and Assoc. in Path., Johns Hopkins Med. Sch., 1923-1930; Res. and Assoc. Pathologist, Johns Hopkins Hosp., 1926-1927 and 1929-1930; Guest Ass't., Pathol. Inst., Ludwig Maximilian's Univ., Munich, 1928; Pathol., Baltimore City Hospitals; Consulting Pathologist, Frederick City Hosp., 1925-1930; *Pathologist, Duke Hospital, 1929—*

CLARENCE ELLSWORTH GARDNER, JR., A.B., M.D., *Assistant Professor of Surgery*

A.B., Wittenberg, 1924; M.D., Johns Hopkins, 1928; Int. and Ass't. Res., Johns Hopkins Hosp., 1928-1930; Ass't. in Surg., Johns Hopkins Med. Sch., 1929-1930; Instr., Duke Med. Sch., 1930-1932; Resident in Surgery and *Associate Surgeon, Duke Hospital, 1930—*

EDWIN CROWELL HAMBLÉN, B.S., M.D., *Associate Professor of Obstetrics and Gynecology*

B.S., and M.D., Virginia, 1921, and 1928; Ass't. and Instr. in Pharmacol., and Materia Medica, Baylor Med. Coll., 1922-1926; Int. and Res., Obs. and Gyn., Univ. Va. Hosp., 1928-1930; Clinical Instr. in Obs. and Gyn., Univ. Va. Med. Dept., 1930-1931; *Associate Obstetrician and Gynecologist, Duke Hospital, 1931—*

FREDERIC MOIR HANES, A.B., A.M., M.D., *Professor of Medicine*

A.B., Univ. of North Carolina, 1903; A.M., Harvard, 1904; M.D., Johns Hopkins, 1908; Assoc. Prof. of Path., Columbia Univ., and Pathologist, Presbyterian Hospital, N. Y., 1909-1912; Assoc., Rockefeller Institute, 1912-1913; Assoc. Prof. of Medicine, Washington Univ. Med. Dept., 1913-1914; Ass't. in Neurology, Queen Square Hospital, London, 1914; Prof. of Therapeutics, Med. Coll. of Va., 1914-1916; *Physician, Duke Hospital, 1931—*

OSCAR CARL EDWARD HANSEN-PRÜSS, A.B., M.D., *Assistant Professor of Medicine*

A.B., Universidad Mayor de San Marcos, 1919; Voluntary Ass't. in Path., Friedrich Wilhelm Universität, Berlin, 1920-1921; M.D., Johns Hopkins, 1924; Int., Ass't. Res. in Med., and Ass't. Physician, Johns Hopkins Hosp., 1924-1930; Ass't., Instr. and Assoc. in Medicine, Johns Hopkins Med. Sch., 1925-1930; *Assistant Physician, Duke Hospital, 1930—*

DERYL HART, A.B., A.M., M.D., *Professor of Surgery*

A.B., and A.M., Emory, 1916 and 1917; M.D., Johns Hopkins, 1921; Int. in Surg., Ass't. Res. in Surg. Path., Ass't. Res. and Res. in Surg. and Assoc. Surgeon, Johns Hopkins Hosp., 1921-1930; Ass't. in Path., Instr., and Assoc. in Surg., Johns Hopkins Med. School, 1922-1930; *Surgeon, Duke Hospital, 1929—*

DUNCAN CHARTERIS HETHERINGTON, A.B., M.A., Ph.D., M.D., *Associate Professor of Anatomy*

A.B., Colorado College, 1919; M.A., and Ph.D., Illinois, 1920 and 1922; M.D., Johns Hopkins, 1926; Instr. in Anat., Vanderbilt Med. Sch., 1926-1930.

CHRISTOPHER JOHNSTON, A.B., M.D., *Assistant Professor of Medicine.*

A.B., and M.D., Johns Hopkins, 1922 and 1926; Int. and Ass't. Res. in Med., Johns Hopkins Hosp., 1926-1928; Ass't. in Med., Johns Hopkins Med. Sch., 1927-1928; Ass't. Res. Physician, Rockefeller Hospital, N. Y., 1928-1930; *Assistant Physician, Duke Hospital, 1930—*

ROBERT RANDOLPH JONES, JR., A.B., M.D., *Assistant Professor of Surgery*

A.B., Davidson, 1924; M.D., Johns Hopkins, 1928; Int. in Med., Strong Mem. Hosp., 1928-1929; Int. in Surg., Johns Hopkins Hosp., 1929-1930; Ass't. and Instr., Duke Med. Sch., 1930-1933; Ass't. Res., and Res. in Surgery, and *Assistant Surgeon, Duke Hospital, 1930—*

ANGUS MURDOCH McBRYDE, B.S., M.D., *Assistant Professor of Pediatrics*

B.S., Davidson, 1924; M.D., Pennsylvania, 1928; Int. and Res. in Ped., Univ. of Pennsylvania Hosp., 1928-1930; Ass't. Res. in Ped., Johns Hopkins Hosp., 1930-1931; *Assistant Pediatrician, Duke Hospital, 1931—*

PAUL PRESSLY McCAIN, A.B., M.D., *Assistant Professor of Clinical Medicine*

A.B., Erskine, 1907; M.D., Maryland, 1911; Int., Bay View Hosp., Baltimore, 1911-1912; Res. Gaylord Farm Sanat., Wallingford, Conn., 1912-1914; Chief of Med. Service, 1914-1924, and Sup't. North Carolina Tubercul. Sanat., 1924.

FORREST DRAPER McCREA, B.S., M.S., Ph.D., *Associate Professor of Physiology and Pharmacology*

B.S., Purdue, 1918; M.S., Illinois, 1923; Ph.D., Wisconsin, 1927; Instr. in Physiol., Illinois Med. Sch., 1920-1923; Inst. in Physiol., Wisconsin Med. Sch., 1923-1927; Ass't. Prof. of Physiol. and Pharmacol., Georgia Med. Coll., 1927-1929; Sr. Instr. in Physiol., Western Reserve Med. Sch., 1929-1930.

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D., *Professor of Zoölogy*

B.S., and A.M., Nebraska, 1900 and 1904; Ph.D., Harvard, 1908; Austin teaching Fellow, Harvard, 1907-1908; Instr. of Zoölogy, Michigan, 1908-1910; Ass't. Prof., 1910-1911; St. Louis, 1911; Wisconsin, 1911-1912; Assoc. Prof., 1912-1919; Prof., 1919-1927.

WILLIAM ALEXANDRE PERLZWEIG, B.S., A.M., Ph.D., *Professor of Biochemistry*

B.S., A.M., and Ph.D., Columbia University, 1913, 1914, and 1915; Ass't. in Physiol. Chem., Columbia Univ. Med. Sch., 1913-1916; Research Chemist, Rockefeller Institute, 1916-1917; Research Biochemist, Hygienic Laboratory, U. S. P. H. S., 1919-1921; Instr. and Assoc. in Med., Johns Hopkins Med. Sch., 1922-1930; Chemist to the Med. Clin., Johns Hopkins Hosp., 1922-1930; *Biochemistry, Duke Hospital, 1930—*

ROBERT JAMES REEVES, A.B., M.D., *Associate Professor of Roentgenology*

A.B., and M.D., Baylor, 1920 and 1924; Int., Baylor Hosp., 1924-1925; Res. in Roentgenol., Massachusetts General Hosp., 1925-1926; Ass't. Attending Physician in Roentgen Ray Dept., Presbyterian Hosp. and Med. Center, N. Y., 1926-1930; Instr. in Med., Columbia Univ. Med. Sch., 1926-1930; *Roentgenologist, Duke Hospital, 1930—*

ROBERT ALEXANDER ROSS, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*

B.S., Univ. of North Carolina, 1920; M.D., Pennsylvania, 1922; Res. Physician, Univ. of Pa. Settlement House, 1921-1922; Int., Episcopal Hosp., Phila., 1922-1924; Int. and Res. Kensington Hosp. for Women, 1923-1925; Obstetrician, Watts Hospital; Chief Obstetrician, Salvation Army Hospital; *Associate Obstetrician and Gynecologist, Duke Hospital, 1930—*

JULIAN MEADE RUFFIN, A.B., M.A., M.D., *Assistant Professor of Medicine*

A.B., M.A. and M.D., Virginia, 1921, 1922, and 1926; Int. and House Officer, Bellevue Hosp., N. Y., 1926-1928; Instr. in Phys. Diag., George Washington Med. Sch., 1928-1930; *Assistant Physician, Duke Hospital, 1930—*

ALFRED RIVES SHANDS, JR., B.A., M.D., *Associate Professor of Surgery in charge of Orthopedics.*

B.A. and M.D., Virginia, 1918 and 1922; Int. in Med. Ass't. Res. in Surg., Int., Ass't. Res. and Res. in Ortho. Surg., Johns Hopkins Hosp., 1922-1927; Instr. in Ortho. Surg., Johns Hopkins Med. Sch., 1926-1927; Instr. in Ortho., George Washington Univ. Med. Sch., Attending Orthopedic Surgeon, four hospitals, Washington, D. C., 1927-1930; *Orthopedist, Duke Hospital, 1930—*

DAVID TILLERSON SMITH, A.B., M.D., *Professor of Bacteriology, and Assistant Professor of Medicine*

A.B., Furman, 1918; M.D., Johns Hopkins, 1922; Int. in Ped., Johns Hopkins Hosp., 1922-1923; Ass't. in Path. and Bact., Rockefeller Institute, 1923-1924; Bacteriologist, Pathologist and Director, Research Laboratory of N. Y. State Hosp. for Tuberculosis, Ray Brook, N. Y., 1924-1930; *Bacteriologist and Associate Physician, Duke Hospital, 1930—*

DOUGLAS HAMILTON SPRUNT, B.S., M.S., M.D., *Associate Professor of Pathology*

B.S., Virginia, 1922; M.D. and M.S., Yale, 1927 and 1929; Ass't. Res. and Res. in Path., New Haven Hosp., 1927-1929; Instr. in Path., Yale Med. Sch., 1928-1929; Sterling Research Fellow, 1929-1930; Ass't. in Med., Rockefeller Hosp., 1930-1932; *Associate Pathologist, Duke Hospital, 1932—*

FRANCIS HUNTINGTON SWETT, A.B., M.A., Ph.D., *Professor of Anatomy*

A.B., Bates, 1916; M.A., Brown, 1917; Ph.D., Yale, 1922; Instr. and Assoc. in Anat., Johns Hopkins Med. Sch., 1922-1925; Assoc. Prof. of Anat., Vanderbilt Med. Sch., 1925-1930.

HAYWOOD MAURICE TAYLOR, B.S., M.S., Ph.D., *Assistant Professor of Biochemistry*

B.S., M.S., and Ph.D., Univ. of North Carolina, 1920, 1921, and 1924; Instr. in Chem. and Pharmaceut. Chem., Univ. of North Carolina, 1920-1925; Research Chemist, E. R. Squibb & Sons, and Fisk Rubber Company, 1925-1928; Instr. in Ophthalmol., and Chemist to Wilmer Institute, Johns Hopkins Hosp., 1928-1930; *Associate Biochemist, Duke Hospital, 1930—*

JAY MORRIS ARENA, B.S., M.D., *Assistant in Pediatrics*

B.S., West Virginia, 1930; M.D., Duke, 1932; Int. in Ped., Johns Hopkins Hosp., 1932-1933; *Assistant Resident in Pediatrics, Duke Hospital, 1933—*

ROGER DENIO BAKER, A.B., M.D., *Instructor in Pathology*

A.B., Wisconsin, 1924; M.D., Harvard, 1928; Ass't. in Path., Johns Hopkins Med. Sch., 1928-1929; Instr., 1929-1930; Ass't. Res. Pathologist, Johns Hopkins Hosp., 1928-1930; Instr. in Anat., Duke Med. Sch., 1930-1932; *Assistant Pathologist, Duke Hospital, 1932—*

ROYALL MANN CALDER, A.B., M.D., *Instructor in Medicine*

B.A., Texas, 1925; M.D., Johns Hopkins, 1929; Int. in Med., Johns Hopkins Hosp., 1929-1930; Ass't. in Med., Duke Med. Sch., 1930-1932; Ass't. Res., and Res. in Med., and *Assistant Physician, Duke Hospital, 1930—*

ERLE BULLA CRAVEN, JR., A.B., M.D., *Instructor in Medicine*

A.B., Duke, 1925; M.D., Johns Hopkins, 1929; Ass't. in Path., Johns Hopkins Med. Sch., 1929-1930; Instr. in Path., 1930-1931; Ass't. in Med., Duke Med. Sch., 1932-1933; Res. Pathologist, Int., Ass't. Res., and *Resident in Medicine, Duke Hospital, 1930—*

JEAN DAVIDSON CRAVEN, A.B., M.D., *Instructor in Pediatrics*

A.B., Occidental, 1926; M.D., Johns Hopkins, 1930; Ass't. in Ped., Duke Med. Sch., 1930-1931; Res. in Ped., Union Memorial Hosp., 1931-1932; Int., Ass't. Res. in Ped., 1930-1931, and *Resident in Pediatrics, Duke Hospital, 1932—*

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B.A., and M.A., Virginia, 1922 and 1923; M.D., Johns Hopkins, 1928; Int. and Ass't. Resident, Vanderbilt Univ. Hosp., 1928-1930; Ass't. in Path. and Bact., Rockefeller Institute, 1930-1932; *Assistant Physician, Duke Hospital, 1932—*

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B.S., Oklahoma, 1914; Health Officer, Durham City and County, 1922—

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B.S., Duke, 1930; M.D., Duke, 1932; Int. in Surg., and *Assistant Resident in Surgery, Duke Hospital, 1932—*

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A.B., Johns Hopkins, 1925; M.D., Rochester, 1930; Int. in Pcd., Strong Mem. Hosp., 1930-1931; Ass't. in Physiol. and Ass't. in Bact., Rochester Med. Sch., 1926-1927, and 1931-1932; *Associate Bacteriologist, Duke Hospital, 1932—*

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B.S., Oregon State, 1925; Ass't. Chemist, Michigan State Coll., 1925-1927; Ass't. Chemist, Michigan Experiment Station, 1927-1931.

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A.B., and M.D., Johns Hopkins, 1924 and 1929; Int. in Surg., Johns Hopkins Hosp., 1929-1930; Ass't. Res. and Res. in Path., and *Assistant Resident in Surgery, Duke Hospital, 1930—*

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Ph.D., Univ. of Moscow, 1916; Ass't. in Biochem., Expt. Station of Crimea, 1918-1921; Ass't. and Privat Dozent in Dept. Biol., Univ. of Moscow, 1922-1928; Res. Fellowship, Boyce Thompson Inst., Yonkers, N. Y., 1928-1929; Res. Fellow in Biochem., Univ. of Berlin, 1929-1930; Res. Fellow. in Path., Washington Univ., St. Louis, 1930-1932.

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B.S., and M.D., Yale, 1928 and 1931; Int., Santa Barbara Cottage Hospital, 1931-1932; Ass't. Res. in Biochem., and *Assistant Resident in Medicine, Duke Hospital, 1932—*

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A.B., Ohio State, 1923; M.D., Harvard, 1927; Int. and Res. in Med., Massachusetts General Hosp., 1927-1930; Res. in Med., and *Assistant Physician, Duke Hospital, 1930—*

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B.S., Chicago, 1926; M.D., Rush, 1929; Int., Lutheran Deaconess Hospital, 1928-1929; Instr. in Pharmacol., Med. Coll. State of S. C., 1929-1930; *Assistant Pathologist, Duke Hospital, 1931—*

MARY ALVERTA POSTON, *Assistant in Bacteriology*

Ass't. in Biol. Lab., Johns Hopkins Hosp., 1922-1930; *Assistant Bacteriologist, Duke Hospital, 1930—*

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B.S., and M.D., Emory, 1929 and 1931; Int., Ass't. Res., and *Resident in Pathology, Duke Hospital, 1931—*

JAMES M. RUEGSEGGER, A.B., M.D., *Assistant in Medicine*

A.B., Baldwin-Wallace, 1922; M.D., Western Reserve, 1931; Int. and *Assistant Resident in Medicine, Duke Hospital, 1931—*

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A.B., Oklahoma, 1927; M.D., Vanderbilt, 1931; Int. and *Assistant Resident in Surgery, Duke Hospital, 1931—*

MARY ELIZABETH SHIPP, A.B., M.A., *Research Assistant in Anatomy*

A.B., and M.A., Duke, 1929 and 1932.

SUSAN GOWER SMITH, A.B., M.A., *Instructor in Physiology and Pharmacology*

A.B., Winthrop and Barnard, 1917 and 1919; M.A., Columbia, 1924; Chemist, N. Y. State Hosp., 1926-1930.

WALTER LEE THOMAS, JR., A.B., M.A., M.D., *Assistant in Obstetrics and Gynecology*

A.B., Lynchburg, 1926; M.A., and M.D., Virginia, 1927 and 1931; Int., Virginia-Mason Hosp., 1930-1931; *Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1931—*

WILLIAM EDGAR WILKINSON, B.S., M.D., *Assistant in Pathology*

B.S., Davidson, 1928; M.D., Duke, 1932; Int., and *Assistant Resident in Surgery, Duke Hospital, 1933—*

ANNE YATES, A.B., A.M., Ph.D., *Instructor in Biochemistry.*

A.B., Mount Holyoke, 1913; A.M., and Ph.D., Columbia, 1915 and 1920; Teach. Fellow in Chem., Barnard Coll., 1913-1915; Instr. in Physiol., Mount Holyoke Coll., 1915-1917; Teach. Fellow in Physiol., Univ. of Minn. Med. Sch., 1917-1918; Instr. in Physiol., Wellesley Coll., 1919-1920; Assoc. in Biol., Bryn Mawr Coll., 1920-1925; Ass't. Scientist, St. Elizabeth's Hosp., 1926-1933; *Assistant Biochemist, Duke Hospital, 1933—*

LOUIS BARNARD ZIV, A.B., M.D., *Assistant in Surgery*

A.B., and M.D., Johns Hopkins, 1926 and 1930; Int., and *Assistant Resident in Surgery, Duke Hospital, 1930—*

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 HAYWOOD MAURICE TAYLOR, B.S., M.S., Ph.D., *Biochemistry*.
 ANNE YATES, A.B., A.M., Ph.D., *Biochemistry*.

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Residents

ERLE BULLA CRAVEN, JR., A.B., M.D., Johns Hopkins, 1929, *Medicine*.
 HAROLD FINKELSTEIN, S.B., M.D., Johns Hopkins, 1928, *Surgery*.
 JEAN DAVIDSON CRAVEN, A.B., M.D., Johns Hopkins, 1930, *Pediatrics*.
 RAYMOND HARRISON RIGDON, B.S., M.D., Emory, 1931, *Pathology*.
 JACOB STAUFFER LEHMAN, B.S., M.D., Hahnemann, 1931, *Roentgenology*.

Assistant Residents

SNOWDEN COWAN HALL, JR., A.B., M.D., Harvard, 1930, *Medicine*.
 SHELDON PAYNE, B.S., M.D., Yale, 1931, *Medicine*.
 EVERETT BLANKS POOLE, A.B., M.D., Vanderbilt, 1931, *Medicine*.
 JAMES MOORE RUEGSEGGER, A.B., M.D., Western Reserve, 1931, *Medicine*.
 GEORGE WILLIAM JOYNER, B.S., M.D., Duke, 1932, *Surgery*.
 MAX OGLESBEE OATES, A.B., M.D., Johns Hopkins, 1929, *Surgery*.
 PAUL WELDON SANGER, A.B., M.D., Vanderbilt, 1931, *Surgery*.
 WILLIAM EDGAR WILKINSON, B.S., M.D., Duke, 1932, *Surgery*.
 LOUIS BERNARD ZIV, A.B., M.D., Johns Hopkins, 1930, *Surgery*.
 JAMES MYERS HICKS, B.S., M.D., South Carolina, 1931, *Otolaryngology*.
 CLARENCE DEARBORN FREEMAN, JR., A.B., M.D., Virginia, 1932, *Obstetrics and Gynecology*.
 WALTER LEE THOMAS, JR., A.B., M.A., M.D., Virginia, 1931, *Obstetrics and Gynecology*.
 JAY MORRIS ARENA, B.S., M.D., Duke, 1932, *Pediatrics*.
 GEORGE HEINITSH, B.S., M.D., Duke, 1932, *Private Diagnostic Clinic*.

Internes

JASPER LAMAR CALLAWAY, M.D., Duke, 1933, *Medicine*.
 A. DERWIN COOPER, A.B., M.D., George Washington, 1931, *Medicine*.
 BENJAMIN GEORGE DININ, M.D., Duke, 1933, *Medicine*.

- ALFRED DEADERICK DOAK, A.B., M.D., Harvard, 1933, *Medicine*.
GUSTAVE FREEMAN, Ph.B., M.D., Duke, 1933, *Medicine*.
PAUL GERHARD REQUE, M.D., Duke, 1933, *Medicine*.
BERGET HENRI BLOCKSOM, JR., A.B., M.D., Duke, 1933, *Surgery*.
RICHARD VAN FLETCHER, B.S., M.D., Johns Hopkins, 1933, *Surgery*.
JAY LEONARD HUTCHISON, M.D., Duke, 1933, *Surgery*.
LOUIS CARROLL ROBERTS, A.B., M.D., Duke, 1933, *Surgery*.
HERMAN MAX SCHIEBEL, A.B., M.D., Johns Hopkins, 1933, *Surgery*.
SAMUEL EARLE UPCHURCH, B.A., M.D., Vanderbilt, 1933, *Surgery*.
RICHARD JOHN WEHS, S.B., M.D., Johns Hopkins, 1932, *Surgery*.
GEORGE HENRY DERIEUX, B.S., M.D., Virginia, 1932, *Obstetrics and Gynecology*.
JOHN RANDOLPH PERDUE, B.S., M.D., Virginia, 1932, *Obstetrics and Gynecology*.
JOSEPH MIGNONE, JR., B.S., M.D., Yale, 1933, *Pediatrics*.
LOUIS SPEKTER, B.S., M.D., Rochester, 1933, *Pediatrics*.
WALTER EUGENE DANIEL, B.A., M.D., Medical College of Virginia, 1931, *Pathology*.
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GENERAL STATEMENT

Duke University School of Medicine and Duke Hospital were established in 1925, through the munificent gift of the late James B. Duke. The hospital and public dispensary were opened for patients on July 21, 1930, and up to January 1, 1934, 33,095 patients have been registered under the unit history system. During 1933, the average hospital census was 201; 73,191 days of hospital care were given, and 27,926 visits were made to the public dispensary. On October 1, 1930, seventy students were admitted to the School of Medicine; the following year there were one hundred and forty-five; in 1932, one hundred and sixty-five; and in 1933, one hundred and ninety-three. Seventy-five per cent of these students have availed themselves of the four quarter plan. On June 8, 1932, eighteen students, and on June 7, 1933, fourteen students, who had been admitted to the junior classes in 1930 and 1931 respectively, were graduated.

The *School of Medicine* has been planned to insure the greatest correlation between the various departments. These facilities are available also for students who are studying for degrees other than that of Doctor of Medicine. The *Hospital* has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham, or from a distance.

FACILITIES OF THE HOSPITAL

The Duke Hospital has four hundred and fifty-six beds, including fifty bassinets for newly-born infants. *Medicine*, including dermatology, neurology, and psychiatry, has one hundred and eleven ward beds; *surgery*, including urology, otolaryngology, ophthalmology, and orthopedics, one hundred and five ward beds; *obstetrics*, including *gynecology*, fifty-six, and fifty bassinets, and *pediatrics*, fifty-two. There are eighty-two private rooms and semi-private cubicles, seven operating rooms, four obstetrical delivery rooms, and accommodations for a resident staff of fifty. Offices and examining rooms for the members of the medical faculty are located in the hospital.

PUBLIC WARD PATIENTS. Duke University cannot give charity treatment to all who apply; therefore patients whose incomes are less than \$15 per week should apply for examinations, or for admission to the public wards (whether full-pay, part-pay or free) through their family physicians, to the Duke Public Dispensary (tel. Durham F-131) on the days and hours listed below. The charge for examinations in the Duke Public Dispensary is \$0.75. On April 20, 1933, the hospital fees were changed to three classes of flat daily rates which cover all hospital costs, including those usually charged as extras, thereby making it possible to estimate, in advance, the probable cost of hospitalization, and to adjust the bill to the patient's resources. The response to this policy of basing the rate upon the amount the patient can pay, rather than on the actual cost, like a hotel, has been favorable, and many, who, under the former system, unnecessarily were objects of charity, are now able to maintain their self-respect by contributing a fixed sum within their means. The actual cost to the hospital for public ward care is over four dollars daily; but in order to meet the greatly increased demand for charity work, Duke Hospital adopted the coöperative plan of paying half the cost, provided the patient or his county welfare department, coöperated by paying the other half, or two dollars daily, in advance, which is in accordance with Mr. Duke's plan that the communities share, with the Duke Endowment, the burden of charity patients, instead of either carrying all of it. Charity care is treatment which is furnished at less than cost. Whether or not the patient, or his community, pay part of that cost, the balance is charity from Duke Hospital. Far more individuals have been helped under this new coöperative plan than formerly were cared for. As a matter of fact, the total amount of actual free service to the community in dollars and cents, or patient days, is much greater than that previously furnished. Welfare departments and churches should assist in the payment for the needy.

PRIVATE PATIENTS. Patients who can pay the private rates of \$3.50 to \$9.00 per day, exclusive of professional services, may at any time, through their family physicians, in consultation with any member of the hospital staff, reserve private rooms by telephoning to the admitting office (Durham F-131). Appointments for private examinations and treatment may be made in

advance by telephoning to members of the hospital staff or to the Private Diagnostic Clinic (Durham F-131).

Every effort is being made to cooperate with the medical profession, and patients are asked to return to the physicians who referred them to the hospital and public dispensary.

PUBLIC DISPENSARY

The public dispensary, with ninety examination and treatment rooms, a physiotherapy division, and a brace and instrument shop, is equipped for the diagnosis and treatment of all forms of disease.

If the patient is able to pay, the public dispensary charge is from \$0.75 to \$2.00 for the first visit to any department, except asthma and syphilology, in which the rates are \$5 and \$2 respectively, because of the cost of materials used. For the return visits, to the regular clinics, the rate is from \$0.25 to \$0.75 for consultation or completion of examination; and \$0.75 for patients who have not been instructed to return, and do so on their own initiative. In order to cooperate with the medical profession, anyone who wishes to attend the public dispensary should consult and bring a letter from his or her own physician. All patients accompanied by their physicians are admitted free to the public dispensary.

PRIVATE DIAGNOSTIC CLINIC

The Private Diagnostic Clinic was organized in September, 1931, to coordinate the diagnostic studies, and better to care for all the problems arising in the examination of private patients. It does not interfere with the private practice of any physician on the hospital staff. The clinical staff of Duke Hospital and School of Medicine form the professional staff of this clinic, while the financial side is handled by a business manager. The offices and examining rooms are in Duke Hospital, and all the laboratory and diagnostic facilities of the hospital and school of medicine are utilized by the clinic. A complete diagnostic survey usually requires from two to four days, and the charges range from \$15 to \$50, the amount depending on the work required and the financial condition of the patient.

SCHOOL OF DIETETICS

In addition to the training of medical students and nurses in dietetics, women whose previous training is acceptable may be admitted to the School of Dietetics at any time for which their previous training has fitted them, and are given the Diploma of Graduate Dietitian after the successful completion of the course of one year. The course includes both academic instruction and actual experience. There are classes and teaching clinics given by the faculty of the School of Medicine which are open to student dietitians. Applications should be sent to the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C.

Intelligence and character are the essential qualifications for admission. Women are eligible who have received a bachelor's degree for a four year's undergraduate course in Duke University, or another approved university or college. The academic requirements include courses in general chemistry; organic chemistry; bacteriology; education; biology; normal nutrition; food preparation; meal planning, experimental and quantity cooking; and institutional management. A course in physics is strongly recommended. The number of required semester-hours of each of the above courses is in accordance with the entrance requirements recommended by the American Dietetics Association.

POSTGRADUATE STUDY

The need for more provision for postgraduate study is very acute not only in this country but abroad. There are very few clinics to which a physician can go, after he has been in practice several years, to obtain the additional training which he has found he requires. The School of Medicine is attempting to fill this need. If any doctor wishes to spend a few days, weeks, or months reviewing his knowledge of medicine, surgery, obstetrics, pediatrics, or other branches, or if he has to do an unusual operation, and wishes to refresh his memory of the anatomy involved, the facilities and equipment are at his disposal. The School of Medicine is not limited to the training of its own students and staff, but extends to the members of the medical profession the benefit of everything it has. Graduates in medicine are welcomed especially at the various clinics

and demonstrations in medicine, surgery, pediatrics, and other specialties, which are held from 9 A.M. to 12:30 P.M. each Saturday, and at the clinical-pathological conferences at 5 P.M. on Wednesdays.

INTERNESHIPS AND RESIDENCIES

Interneships of one year's duration with room, board, laundry, and uniforms furnished, but without salary, are available in *medicine* (including dermatology, neurology, and psychiatry), in *obstetrics* and *gynecology*, in *pediatrics*, in *surgery* (including general surgery, urology, and orthopedics), or in *pathology*, commencing each July and September. Application blanks, which must be returned by December first, before the appointment is desired, may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C. Graduates of any class A medical school are eligible for interneships.

After the completion of an interneship in Duke Hospital or in another acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics and gynecology, pediatrics, orthopedics, urology, otolaryngology, roentgenology, pathology, or biochemistry, or as fellows of the private diagnostic clinic, at a salary of \$250 per year, with maintenance, and eventually may be promoted to the residency in the various departments or sub-departments of the hospital at an annual salary of \$500 to \$1,000, with maintenance.

LIBRARY

"To study the phenomena of disease without books is to sail an uncharted sea, while to study books without patients is not to go to sea at all."—SIR WILLIAM OSLER.

In addition to the general library of Duke University, and the departmental libraries of biology, chemistry, and physics, which have 300,000 volumes available for medical students, Duke Hospital Library contains 28,176 volumes of American and foreign medical literature and subscribes to 412 current American and foreign medical and other scientific journals. These books and journals are available daily from 8:30 A.M. to 10:00 P.M. for the students, nurses, staff, and medical profession.

APPLICATION FOR ADMISSION

Application forms may be obtained by writing to the Dean, Duke University School of Medicine, Durham, N. C.

REQUIREMENTS FOR ADMISSION

"I recommend that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination and application evincing a wholesome and real ambition for life."—JAMES B. DUKE.

Intelligence and character are the essential qualifications for admission.

In addition, each candidate must have the following preparation which includes the minimal requirements for grade A medical schools:

1. At least two years of college work (70 semester-hours), including:

2. *Biology*: At least one year (12 semester-hours, one half of which must be laboratory work and must include training in embryology). A course in comparative anatomy also is recommended.

3. *Chemistry*: At least two years (10 semester-hours of inorganic chemistry including short or preliminary courses in qualitative and quantitative analysis, and 6 semester-hours of organic chemistry; one half of each course must be laboratory work). These represent the minimal requirements in chemistry. Additional courses in analytical and physical chemistry are desirable.

4. *Physics*: At least one year (10 semester-hours, one half of which must be laboratory work).

5. *English*: At least two years (12 semester-hours).

6. *Mathematics*: At least one year (6 semester-hours; a working knowledge of logarithms is essential and one of calculus is desirable).

7. *German*: A reading knowledge of scientific German is highly desirable.

8. Applicants are required to take the aptitude tests of the Association of American Medical Colleges unless specifically excused by the school. These tests were given at most of the colleges and universities on December 6, 1933.

(Selection is based on the *quality* rather than the *quantity* of preparation.)

REQUIREMENTS FOR ADMISSION TO ADVANCED STANDING

In addition to the requirements for entrance, an applicant for admission to the junior class must present evidence that he will complete successfully the first and second year curriculum in a class A medical school consisting of: Gross, microscopic and neuro-anatomy, biochemistry, pharmacology, physiology, gross and microscopic pathology, bacteriology, clinical microscopy, and normal and abnormal physical diagnosis. Students who transfer from other medical schools can be admitted only in the autumn quarter, but are required to spend the preceding summer quarter here, without tuition, studying physical diagnosis and clinical microscopy, and pass the Duke preclinical examinations in September. They are eligible to receive a certificate in March or June two years later, depending on whether they attend the intervening summer quarter.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

Duke University grants the degree of Bachelor of Science in Medicine to students who have completed satisfactorily seventy semester-hours of college work in Duke University, or another approved university or college, six quarters in the Duke University School of Medicine, *creditable extra* work in any department, and an accepted thesis. No credit toward this degree is given for additional college work, and students who have a bachelor's degree are not eligible. Students who wish to study for this degree should, during their third quarter, arrange a program of extra work with the head of the department concerned.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine is conferred upon those who, after fulfilling all the requirements for entrance, have completed to the satisfaction of the executive committee, twelve quarters of the curriculum of the School of Medicine, and then have spent two years in satisfactory work in a hospital or laboratory acceptable to the executive committee. After the successful completion of the twelfth quarter, students are given certificates, and after the requirement of hospital or laboratory work has been met, the degree of Doctor of Medicine is conferred.

DEPARTMENTS OF INSTRUCTION

Anatomy

The autumn quarter and two days per week during the winter quarter of the first year are devoted to the courses of instruction in gross human anatomy, histology, and neurology required of all entering students. Further work in these subjects, and advanced studies in various other branches of anatomy may be undertaken during the students' free time. Prospective candidates for elective work should discuss their wants with the member of the staff in charge of the particular field in which work is requested, because only a small number can be accommodated in each group. A few properly qualified students may be permitted to undertake original research under the direction of various members of the staff.

Biochemistry

The *required* course in general biochemistry for first year students in medicine, and for properly qualified graduate students in other departments of the university, is given during the winter quarter. Three lectures and four laboratory periods of three hours each per week for eleven weeks present a general outline of the subject, to be supplemented by systematic reading. At least once a week the students meet in small groups with instructors for conferences and discussion of the laboratory work.

Electives in pathological chemistry, blood analysis, selected methods of biochemical research, and the organic chemistry of proteins and carbohydrates are offered to groups of qualified students in the autumn, spring, and summer quarters. Details will be posted on the bulletin board. The facilities of the department of biochemistry, including various types of research equipment, and of the clinical material of the blood chemistry laboratory, are available for independent or supervised investigations.

Physiology and Pharmacology

The required courses consist of (a) a lecture course in physiology including nutrition; (b) a lecture course in pharmacology to run concurrently with (a); (c) a laboratory course covering

physiology, pharmacology and nutrition; and (d) a seminar in which problems arising in the laboratory and in the students' reading are discussed.

Elective courses covering particular aspects of these subjects including pathological physiology, and research in special fields are available. Details will be posted on the bulletin board.

Pathology

The *required* course in general pathology for second year students is given in the autumn and winter quarters. The class is divided into small groups, one instructor being assigned to each group. For the purpose of teaching the gross pathological alterations of tissue, the museum material, which consists of complete cases preserved as separate units, has been classified into well recognized groups, such as obstructions, diseases due to animal parasites, tumors, etc., each group of material being placed in a separate laboratory. The various student groups are rotated through these rooms. The microscopic aspects of pathological processes are studied by the students at the same time the gross pathological features of the disease are being considered. Physiological, chemical, and bacteriological phases of the various disease processes are at the same time presented to the student by constant reference to the autopsy protocols and clinical studies of the cases, which are under study in the groups. No formal course of lectures is given. Special lectures on general subjects which have wide application may be given from time to time to the whole class. Attendance at autopsies is required of the students of the second year, the class being divided into small groups which are called in turn. The group members are required to follow the complete studies of the cases which they see, and when such studies are completed, they must present the case in conference before the entire class.

Elective courses in pathology are available for a limited number of students who have completed the course in general pathology. These courses are given in the spring quarter. Research facilities are provided in the department for students who are trained sufficiently to undertake investigation.

On Wednesday at 5 P.M., throughout the year, a clinical pathological conference is held in coöperation with the staffs of the clinical departments. While this conference is designed

especially for the hospital staff, it is open to all members of the medical profession, and students of medicine.

Medicine

Bacteriology and serology are taught to first year students during the spring quarter. During their clinical clerkships on medicine (one quarter each for junior and senior classes), the students may perform the routine and special bacteriological work under the direction of the department of bacteriology, and in parallel with the biological division of the medical clinic, for the patients assigned to them on the teaching service. An *elective* course in the newer developments in bacteriology and in immunology is given in the autumn quarter. Opportunities are afforded second year and senior students for investigations during their elective quarters.

Clinical microscopy is given in the autumn quarter of the second year. The course includes the essentials of hematology, and the examination of fresh material, such as urine, stools, spinal fluid, sputum, transudates, and exudates. The most important parasites of man are studied by the use of fresh and museum material. Second year and senior students are given opportunities for special work, and for investigation, during their elective quarters.

Physical diagnosis. The course in physical diagnosis is given to second year students in the winter quarter. In this course, the student is instructed first in the art of history taking, then in the examination of normal, and finally in the examination of abnormal conditions. The class is divided into sections of not more than eight students per section, and each student is given individual instruction. The students take complete histories and make an examination of one another, which are checked by an instructor. After becoming thoroughly acquainted with normal physical signs, each student is given cases selected from the wards, representing the more common pathological conditions.

This course also is used as an introduction to clinical medicine, and all the specialties are taught by those practicing that particular branch of medicine. For example, the examination of the eye is taught by the division of ophthalmology; that of the ear, nose, and throat, by the division of otolaryngology,

etc. The actual distribution of hours is as follows: Medicine (history taking, examination of chest, heart, etc.), 40 hours; surgery (introduction to surgical methods, examination of abdomen, etc.), 11 hours; central nervous system, 16 hours; urology, 6 hours; orthopedics, 7 hours; otolaryngology, 7 hours; ophthalmology, 6 hours; dentistry, 3 hours; obstetrics and gynecology, 17 hours; pediatrics, 9 hours; x-ray, 4 hours; total, 126 hours.

In this way the student receives not only the usual course in normal and abnormal physical signs, but also an introduction to clinical medicine and the various specialties.

Junior medicine. Junior students are assigned in small groups for one quarter to the medical wards, as clinical clerks. Ward rounds are held from 8:30 to 9:30 A.M., on Mondays, Wednesdays, and Fridays. During the autumn, winter, and spring quarters, clinics in neurology and medicine are given on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

Senior medicine. Senior students are assigned for one quarter to the dispensary as clinical clerks. Ward rounds are held from 9:30 to 11:30 A.M. on Mondays and Fridays. Seniors attend medical clinics on Mondays, Wednesdays and Saturdays at 11:30 A.M. A course in roentgenological diagnosis, with especial reference to differential diagnosis and x-ray and radium therapy, is given to senior students during the senior medical quarter.

Psychiatry. Instruction in psychiatry is given in the third and fourth years by the attending and resident psychiatrists. The close relationship between psychiatry and the other branches of medicine, especially neurology and internal medicine, is emphasized. In a series of lectures and clinics in the junior year, the student is introduced to and oriented in the subject of psychiatry. Topics such as the modern conception of the personality, its physical basis, its growth, and personality traits are brought out. The principal schools of psychopathology are discussed, as are the principal mental mechanisms, normal and abnormal. The problems of intelligence, intelligence testing, and mental deficiency are studied. The student is introduced to the subject of mental hygiene and to the methods of psychiatric examination and treatment.

Psychiatry is continued in the senior year in a more clinical and practical way. In a series of lectures and clinics, at 9:30 A.M. on Wednesdays, the subject of mental disorders in general is considered, and the major psychoses are specifically outlined. The didactic work in psychiatry is supplemented by actual experience in handling such psychiatric problems as occur on the wards and in the public dispensary of the hospital. The problems of the psychoneuroses are emphasized.

In addition, clinics are held in the North Carolina State Hospital, Raleigh, N. C. This institution, with three thousand patients, is cooperating splendidly with the school of medicine. Special and elective work in psychiatry is offered to students who are especially interested. For this, not only the faculties above mentioned, but also those of the North Carolina Caswell Training School for the mentally deficient are available. Before graduation, it is sought to give the student a worthy conception of the individual as a whole, the psychobiological unit, that may be applied in practice.

Surgery

General surgery. In the winter quarter, the second year students, during their course in physical diagnosis, attend clinics and demonstrations arranged to familiarize them with the technique of examinations, and the diagnostic procedures used in general surgery and the surgical specialties. Emphasis is placed on the more practical and commonly used methods.

During the autumn, winter and spring quarters, at 11:30 A.M. on Tuesdays and Fridays, and at 9:30 A.M. on Saturdays, clinics in surgery and the surgical specialties are held for junior and senior students. The *junior* students, during their surgical quarter, attend ward rounds in surgery and the surgical specialties, from 8:30 to 9:30, on Mondays, Wednesdays, and Fridays, act as clinical clerks on the wards, avail themselves of the electives offered, and attend the regular clinics. The surgical group in the *senior* year attends ward rounds from 8:30 to 9:30 on Mondays, Wednesdays, and Fridays, the regular clinics, and the electives offered, and works in the surgical dispensary in the afternoons. Individuals may take any of the electives offered.

An *elective* course in operative surgery is given in the experimental laboratory during the fall and spring quarter. This course is scheduled from 8:30 to 11:30 A.M. on Tuesdays and Thursdays. The group is divided into operating teams, and each student takes his turn serving as the operator's first assistant and anesthetist. During the winter quarter special work in experimental surgery may be arranged by conference with the instructor. The purpose of this course is to teach the basic principles of aseptic surgery, as well as of anesthesia. Incidentally the student performs a number of operations illustrating this type of surgery, the operative procedures being of gradually increasing difficulty.

An *elective* course in emergency and traumatic surgery is given each quarter. In groups of two, each week, junior or senior students are on call in the emergency room for all accidents and emergencies. Opportunity is given to observe and to assist in the treatment of accident cases and in the diagnosis of acute abdominal emergencies. Lectures, twice each week during the winter quarter, supplement this course.

An *elective* course in anesthesia is open to two properly qualified senior students, each quarter. Students meet the anesthetist each morning in the operating room, observe, and administer anesthetics under supervision.

Ophthalmological division. During the winter quarter second year students receive instruction in elementary ophthalmology. During the senior specialties quarter the students are assigned to the ophthalmological clinic on Tuesday and Friday afternoons for five and one-half weeks, and assist in the study and treatment of eye diseases. Especial emphasis is placed on the underlying medical and surgical conditions. Each student follows throughout his time in the clinic all cases assigned to him. For those who manifest an unusual interest in this specialty, provision will be made for more advanced work.

Orthopedic division. In the winter quarter of the second year an introductory course in orthopedics is given. During their surgical quarter the junior students attend ward rounds at 9:30 A.M., on Mondays. The senior students in their surgical quarter may elect to attend these rounds. Clinics are held during the autumn quarter on Fridays at 11:30 A.M., for juniors and seniors. Students in their senior elective quarter spend

Mondays, Wednesdays and Fridays from 1:30 to 4:30 P.M. in the public dispensary. Special work may be arranged for those students in the senior elective quarter who elect to spend this time in orthopedics. An *elective* course in orthopedic pathology is offered for one hour per week during the winter quarter for juniors and seniors. Lectures on fractures are given during the spring quarter for juniors and seniors. Students are given the opportunity of attending the North Carolina Orthopedic Hospital Clinic at Goldsboro once a month if they so desire. Any senior student who wishes during his senior elective quarter to spend the time in crippled children's work may apply for an appointment as a student interne in the North Carolina Orthopedic Hospital at Gastonia (150 beds).

Otolaryngological division. An introductory course of instruction in the use of otolaryngological instruments is given to second year students in the winter quarter. Senior students during their specialties quarter spend Monday, Tuesday and Thursday afternoons in the otolaryngological clinic for five and one-half weeks. An *elective* course on the anatomy, physiology, and diseases of the ear, nose, and throat can be arranged for those desiring it.

Urological division. In the winter quarter, there is given for second year students a course of lectures and practical demonstrations in urological physical diagnosis in the normal individual. Ward rounds on urological patients are given every Friday at 9:30 A.M., throughout the year, which junior students, in their surgical quarter, and the senior surgical group are required to attend. During each quarter small groups are selected from the senior surgical students and assigned to the urological dispensary on Tuesday and Friday afternoons. Here they, under proper supervision, study patients and give recommended treatment. During one and a third quarters of the year urological lectures are given each Friday at 11:30 A.M. for the junior and senior classes. These lectures deal with the affections of the male and female urinary tracts, and of the male genital tract. A special clinic for urethroscopic and cystoscopic investigation and the more technical methods of urological diagnosis and treatment is held every Wednesday from 9:00 A.M. to 12:00 noon, throughout the year. Senior students may take this course as an elective.

Dentistry. Second year students in the winter quarter are instructed in the principles of dentistry. In order for junior and senior students to become familiar with the more common diseases of the teeth and gums, particularly in their relationship to general medical and surgical diseases, provision is made for them to attend the dental clinic. The various lesions are demonstrated, their bearing on systemic disease discussed, and treatment carried out.

Obstetrics and Gynecology

Second year students receive seventeen hours of instruction in the fundamentals of obstetrics and gynecology during their course in physical diagnosis in the winter quarter. Clinics and demonstrations for junior and senior students are held on Thursdays at 11:30 A.M. during the autumn, winter, spring, and summer quarters. During the quarter of the *junior* year assigned to the specialties, each group of students attends ward rounds at 9:30 A.M. on Mondays, Wednesdays, and Fridays, for eleven weeks, and the public dispensary daily, except Saturdays, Sundays, and holidays, for five and one-half weeks. The students also spend part of each day on the wards. *Senior* students, during their surgical quarter, have ward rounds on obstetrics and gynecology on Saturdays at 8:30 A.M. Each *senior* student is required to spend two weeks on service with the Outside Obstetric Training Group at Charlotte, North Carolina. This group is active in the actual antepartum care, in the delivery of the patients, and in the actual postpartum care of patients registered by the Maternity Clinic of that city. The group is under the direction of a trained obstetrician.

Elective courses in the diagnosis and treatment of obstetric and gynecologic conditions are offered for junior and senior students.

Pediatrics

Each *second year* student receives nine hours of instruction in elementary pediatrics during the course in physical diagnosis in the winter quarter. During the quarter of the *junior* year assigned to the specialties, the students are divided into two sub-groups. Each of these attend pediatric ward-rounds at 10:30 A.M. on Mondays, Wednesdays, and Fridays, for eleven weeks, and the pediatric dispensary at 1:30 P.M. daily, except

Saturdays, Sundays, and holidays, for five and one-half weeks. The students also spend part of each day on the pediatric ward. On Saturdays at 10:30 A.M., during the autumn, winter, and spring quarters, and on Mondays at 11:30 A.M. during the summer quarter, the junior and senior students are divided into three groups, each of which systematically reviews the field of pediatrics on ward rounds, but being required to do preliminary reading. *Senior* students during their medical quarter have pediatric ward rounds on Saturdays from 8:30 to 9:30 A.M. *Elective courses.* One or more senior students may do research work in the mornings and work in the pediatric ward or dispensary one or more mornings per week, according to the time at the students' disposal. Eight senior students, in a preceptorial seminar, may study the literature of pediatrics, at any convenient hour, for one quarter.

Preventive Medicine and Public Health

Clinics, lectures, and demonstrations are held during the autumn, winter, and spring quarters.

CURRICULUM OF THE SCHOOL OF MEDICINE

The usual four medical-school years of thirty-three weeks each may be condensed into three years of forty-four weeks each. Four terms of eleven weeks are given each year, and a certificate is granted after the satisfactory completion of twelve terms. These may be taken consecutively (certificate in three calendar years), if the student's previous work has been outstanding, and if he has been given permission by the curriculum committee; or, if he prefers, three terms may be taken each year (certificate in four calendar years). Such a curriculum will affect in no way the courses at any other medical school. If students who have received their first two years of training at other Duke medical schools wish to spend their clinical years at the Duke University School of Medicine, they are eligible in October for the seventh quarter, which corresponds to the beginning of the usual junior class.

Twenty-eight per cent of the time in this curriculum is free for elective work or anything else which the student wishes to do. No credits are given for specific courses during this free

time. The opportunity merely is provided for each student, on his own initiative, to obtain the additional training which he may feel to be necessary or desirable. In the first year the greatest amount of free time is concentrated in the latter part of the year in order to give the student a more varied curriculum early in his course, and thus enable him to choose elective courses from a wider range of subjects. One quarter has been left entirely free in the hope that many of the students will migrate to other medical schools in this country or abroad for elective work, a practice which is encouraged. The establishment of the four-quarter system at Chicago, Northwestern, Minnesota, and other universities has aided greatly this exchange of students. The students who do not transfer temporarily to other medical schools may utilize their free time in elective courses in pre-clinical and clinical departments, may pursue independent work in any subject, or may do research work. The elective courses have been organized for small groups and will be repeated, if necessary, in one or more quarters. Students who wish to study during the summer quarter, either here or elsewhere, or to spend elective or required quarters at other medical schools, must obtain permission in advance from the curriculum committee.

**CURRICULUM OF FOUR QUARTERS OF ELEVEN WEEKS
(429 HOURS) EACH**

(The hours for these courses will be posted on the bulletin board.)

FIRST YEAR

AUTUMN QUARTER (1st) :

October 2 to December 18, 1934; October 1 to December 20,
1935; October 6 to December 22, 1936; October 4 to Decem-
ber 21, 1937.

Anatomy (including histology and neuro-anatomy)	429 hours
Free time	0 Hours

WINTER QUARTER (2nd) :

January 2 to March 21, 1934; January 3 to March 21, 1935;
January 6 to March 21, 1936; January 4 to March 20, 1937.

Anatomy (including histology and neuro-anatomy)	154 Hours
Biochemistry	176 Hours
Free time	99 Hours

SPRING QUARTER (3rd) :

March 26 to June 16, 1934; March 25 to June 15, 1935;
 March 30 to June 20, 1936; March 29 to June 19, 1937.

Physiology and pharmacology, including nutrition	360 Hours
Bacteriology	108 Hours

SUMMER QUARTER (4th) :

June 18 to September 1, 1934; June 17 to August 31, 1935;
 June 22 to September 5, 1936; June 21 to September 4, 1937.

Free time	429 Hours
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SECOND YEAR

AUTUMN QUARTER (5th) :

October 2 to December 18, 1934; October 1 to December 20,
 1935; October 6 to December 22, 1936; October 4 to December
 21, 1937.

Pathology	198 Hours
Bacteriology	11 Hours
Clinical Microscopy	121 Hours
Free time	99 Hours

WINTER QUARTER (6th) :

January 3 to March 21, 1934; January 3 to March 21, 1935;
 January 6 to March 21, 1936; January 4 to March 20, 1937.

Pathology	198 Hours
Physical diagnosis	132 Hours
Preclinical examinations	24 Hours
Free time	75 Hours

SPRING QUARTER (7th) :*:

March 26 to June 9, 1934; March 25 to June 8, 1935; March
 30 to June 13, 1936; March 29 to June 12, 1937.

Medicine (junior)	308 Hours
Free time	121 Hours

SUMMER QUARTER (8th) :*:

June 18 to September 1, 1934; June 17 to August 31, 1935;
 June 22 to September 5, 1936; June 21 to September 4, 1937.

Surgery (junior)	308 Hours
Free time	121 Hours

THIRD YEAR

AUTUMN QUARTER (9th) :

October 2 to December 18, 1934; October 1 to December 20, 1935; October 6 to December 22, 1936; October 4 to December 21, 1937.

Specialties (junior)	308 Hours
Free time	121 Hours

WINTER QUARTER (10th) :*

January 3 to March 21, 1934; January 3 to March 21, 1935;
January 6 to March 21, 1936; January 4 to March 20, 1937.

Medicine (senior)	308 Hours
Free time	121 Hours

SPRING QUARTER (11th) :*

March 26 to June 9, 1934; March 25 to June 8, 1935; March 30 to June 13, 1936; March 29 to June 12, 1937.

Surgery (senior)	308 Hours
Free time	121 Hours

SUMMER QUARTER (12th) :*

June 18 to September 1, 1934; June 17 to August 31, 1935;
June 22 to September 5, 1936; June 21 to September 4, 1937.

Specialties (senior)	252 Hours
Final clinical examinations	24 Hours
Free time	153 Hours

SUMMARY

Total number of hours required instruction, (72%)	3,727
Total number of hours of free time, (28%)	1,460
Total number of hours in curriculum, (100%)	5,187

**CHANGES FROM THE FOUR-QUARTER SCHEDULE NECESSARY FOR
STUDENTS WHO DO NOT ATTEND THE SUMMER QUARTERS**

FIRST YEAR:

- Autumn quarter (1st)—No change from schedule.
- Winter quarter (2nd)—No change from schedule.
- Spring quarter (3rd)—No change from schedule.

SECOND YEAR:

- Autumn quarter (4th)—Same as fifth quarter in schedule.
- Winter quarter (5th)—Same as sixth quarter in schedule, except that the preclinical examinations are postponed

to the spring quarter, and the amount of free time increased correspondingly to 99 hours.

Spring quarter (6th)—Same as fourth quarter, except that the pre-clinical examinations are held, and the amount of free time correspondingly decreased to 405 hours.

JUNIOR YEAR :

Autumn quarter (7th)—Same as seventh quarter in schedule.*

Winter quarter (8th)—Same as eighth quarter in schedule.*

Spring quarter (9th)—Same as ninth quarter in schedule.*

SENIOR YEAR :

Autumn quarter (10th)—Same as tenth quarter in schedule.*

Winter quarter (11th)—Same as eleventh quarter in schedule.*

Spring quarter (12th)—Same as twelfth quarter in schedule.*

* The clinical instruction is repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth, and ninth quarters; and also the order of the tenth, eleventh, and twelfth quarters. The above schedule merely illustrates the program for one group.

FEES AND EXPENSES

All fees for each quarter are due and payable at the beginning of each quarter, and no student will be admitted to classes until these fees have been paid at the university treasurer's office. A fine of \$5.00 is charged for late registration. No credit will be given for any quarter in which the tuition of \$150 has not been paid at the treasurer's office, whether the work has been done here or elsewhere, except: (1) students who have been given permission by the curriculum committee to spend an elective quarter at a European medical school or hospital will have their tuition of \$150 for that quarter remitted and (2) students who have been permitted by the curriculum committee to spend an elective quarter at another American medical school, or hospital, may subtract the amount of tuition paid at this other medical school or hospital from the \$150 due here for that quarter.

Fees and Expenses

Tuition, per quarter	\$150
Room rent, per quarter	50
Board, per quarter*	75
Laundry, per quarter	10 to 20
Books, per quarter	25 to 50
Microscope: At matriculation each student must purchase a modern microscope, preferably through the university ..	102 to 173
Ophthalmoscope and otoscope: Before starting clinical work, each student must purchase this equipment	35 to 50
Athletic fee, admitting students to all athletic contests held on the university grounds, per year	10
Commencement and diploma fees, payable at the beginning of the quarter in which a student is eligible for a degree ..	8
Medical fee	10
Estimated total expenses per quarter (exclusive of clothes, microscope, damage, athletic, medical, commencement and diploma fees, and the fees of \$25 and \$20 for Parts I and II, respectively, of the National Board of Medical Examiners)**	\$312 to 347

* Some of the medical students may obtain rooms in Duke Hospital; others in the university dormitories. Meals may be had at the Union on the campus. All rooms are provided with furniture, heat, water, electric light, and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows.

** Medical students may study either three or four quarters per year.

ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the university a loan fund for students. In addition, the university administers other endowed loan funds for the benefit of students who are not financially able to meet their expenses. Medical students, after their third quarter, are eligible for loans from these sources. No scholarships are awarded in the school of medicine.



THE SCHOOL OF NURSING

1933-1934

ANNOUNCEMENTS FOR 1934-1935

SCHOOL OF NURSING AND HOSPITAL CALENDAR 1934-1935

1934

January 3 (Wednesday)—Registration of students, and winter quarter begins.

February 22 (Thursday)—Washington's birthday (holiday).

March 21 (Wednesday)—Winter quarter ends.

March 26 (Monday)—Registration of students, and spring quarter begins.

June 6 (Wednesday)—Commencement.

June 9 (Saturday)—Spring quarter ends.

June 18 (Monday)—Registration of students, and summer quarter begins.

July 4 (Wednesday)—Independence Day (holiday).

September 1 (Saturday)—Summer quarter ends.

October 1 (Monday)—Registration of students, and autumn quarter begins.

November 29 (Thursday)—Thanksgiving Day (holiday).

December 18 (Tuesday)—Autumn quarter ends.

1935

January 3 (Thursday)—Registration of students, and winter quarter begins.

February 22 (Friday)—Washington's birthday (holiday).

March 21 (Thursday)—Winter quarter ends.

March 25 (Monday)—Registration of students, and summer quarter begins.

June 5 (Wednesday)—Commencement.

June 8 (Saturday)—Spring quarter ends.

OFFICERS OF ADMINISTRATION

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., Litt.D., LL.D.
President of the University

ROBERT LEE FLOWERS, A.M., LL.D.
Vice-President, Secretary, and Treasurer

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.
Vice-President

FRANK CLYDE BROWN, A.B., A.M., Ph.D.
Comptroller

CHARLES BLACKWELL MARKHAM, A.B., A.M.
Assistant Treasurer

BESSIE BAKER, R.N., B.S.
Dean of the School of Nursing

WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., M.D.
Dean of the School of Medicine

FACULTY OF THE SCHOOL OF NURSING

BESSIE BAKER, R.N., B.S.

Dean of the School of Nursing and Professor of Nursing Education

Diploma, Johns Hopkins Hospital School of Nursing, 1902; Assistant Director of Nursing, Women's Hospital, 1910-1912; Assistant Director of Nursing, Johns Hopkins Hospital, 1912-1917; Chief Nurse, Base Hospital No. 18, A. E. F., 1917-1919; B.S. and Diploma in Administration in Schools of Nursing, Teachers College, Columbia University, 1922; Director of Nursing at Charles T. Miller Hospital, St. Paul, and Assistant Professor of Nursing, University of Minnesota, 1922-1930; Dean of the School of Nursing and Professor of Nursing Education, 1930—.

ANN HENSHAW GARDINER, R.N., B.S., M.S.

Assistant Professor of Nursing Education

Diploma and Teaching, Certificate, Shepherd College State Normal, Shepherdstown, W. Va., 1909; taught public schools, 1909-1911; Diploma, Massachusetts General Hospital School of Nursing, 1914; Theoretical and Practical Instructor, St. Luke's Hospital, New Bedford, Mass., 1914-1917; U. S. Base Hospital No. 6, A. E. F., 1917-1919; Superintendent of Nurses, Bridgeport Hospital, Bridgeport, Conn., 1920-1921; B.S. and Teacher's Diploma, Teachers College, Columbia University, 1923; Educational Director, Baylor University School of Nursing, Dallas, Texas, 1922-1924; Premedical course, University of Washington, Seattle, Wash., 1925; Director of Education, Stanford University School of Nursing, 1925-1926; M.S., Kansas State Agricultural College, 1927; Director of Education, Flushing Hospital, Flushing, N. Y., 1927-1930; Assistant Professor of Nursing Education, 1930—.

ELSIE WILSON MARTIN, A.B., M.S.

Professor of Dietetics

A.B., Whitman College, 1913; Teachers College, Columbia University, 1914-1915; Professor of Home Economics, College of Puget Sound, Tacoma, Washington, 1915-1917; Dietitian, University of Iowa Hospital, Iowa City, Iowa, 1919-1920; Dietitian, Charles T. Miller Hospital, St. Paul, Minn., 1920-1926; M.S., Teachers College, Columbia University, 1926-1927; Administrative Dietitian, Lakeside Hospital, Cleveland, Ohio, 1927-1930; Professor of Dietetics, 1930—.

HELGE LUNDHOLM, Ph.D.

Associate Professor of Psychology

Ph.D., University of Stockholm, Sweden, 1919; Scholarship of the American-Scandinavian Foundation, 1919-1920; Assistant in Psychology at Harvard University at different intervals; Psychologist, McLean Hospital, Waverley, Mass., 1921-1930; On leave doing research work for the Government of Sweden, in Industrial Psychology, 1923-1925; Associate Professor of Psychology, 1930—.

HAYWOOD MAURICE TAYLOR, B.S., M.S., Ph.D.

Assistant Professor of Biochemistry

B.S., M.S. and Ph.D., University of North Carolina, 1920, 1921, and 1924; Instructor in Chemistry and Pharmaceutical Chemistry, University of North Carolina, 1920-1925; Research Chemist, E. R. Squibb & Sons and Fisk Rubber Co., 1925-1928; Instructor in Ophthalmology and Chemist to Wilmer Institute, Johns Hopkins Hospital, 1928-1930; Associate Biochemist, Duke Hospital, 1930—.

WILLIAM HENRY HOLLINSHEAD, B.A., M.S., Ph.D.

Instructor in Anatomy

B.A., M.S. and Ph.D., Vanderbilt University, 1926, 1927, and 1932; Fellow in Biology, Vanderbilt University, 1926-1927; Instructor in Biology, Vanderbilt University, 1927-1930; Instructor in Anatomy, 1930—.

FREDERICK BERNHEIM, A.B., Ph.D.

Assistant Professor of Physiology and Pharmacology

A.B., Harvard, 1925; Ph.D., Cambridge, 1928; Nat. Res. Council Fellow, Johns Hopkins Med. Sch., Dept. of Physiol. Chem., 1929-1930.

FORREST DRAPER McCREA, B.S., M.S., Ph.D.

Associate Professor of Physiology and Pharmacology

B.S., Purdue, 1918; M.S., Illinois, 1923; Ph.D., Wisconsin, 1927; Instr. in Physiol., Illinois Med. Sch. 1920-1923; Inst. in Physiol., Wisconsin Med. Sch., 1923-1927; Ass't Prof. of Physiol. and Pharmacol., Georgia Med. Coll., 1927-1929; Sr. Inst. in Physiol., Western Reserve Med. Sch., 1929-1930.

BAYARD CARTER, A.B., B.A., M.A., M.D.

Professor of Obstetrics and Gynecology

A.B., University of Delaware, 1920; B.A. and M.A. Oxford University, Oxford, 1923 and 1932; M.D., Johns Hopkins University, 1925; staff of New Haven Hospital and Yale Medical School, 1925-1929; Associate Professor of Obstetrics and Gynecology, and head of department, University of Virginia Medical Department, 1929-1931; Obstetrician and Gynecologist, Duke Hospital, 1931—.

ALFRED RIVES SHANDS, JR., B.A., M.D.

Associate Professor of Surgery in Charge of Orthopedics

B.A. and M.D., University of Virginia, 1918 and 1922; Interne, Assistant Resident and Resident in Orthopedic Surgery, Johns Hopkins Hospital, 1924-1927; Instructor in Orthopedic Surgery, Johns Hopkins Medical School, 1926-1927; Instructor in Orthopedics, George Washington University Medical School, Attending Orthopedic Surgeon, four hospitals, Washington, D. C., 1927-1930; Orthopedist, Duke Hospital, 1930—.

EDWIN PASCAL ALYEA, S.B., M.D.

Associate Professor of Surgery in Charge of Urology

S.B., Princeton University, 1919; M.D., Johns Hopkins University, 1923; Interne in Medicine; Interne and Assistant Resident in Surgery; Assistant Resident and Resident in Urology, Johns Hopkins Hospital, 1923-1929; Assistant, Instructor in Surgery and Instructor in Urology, Johns Hopkins Medical School, 1925-1930; Urologist, Duke Hospital, 1929—.

ROBERT RANDOLPH JONES, JR., A.B., M.D.

Instructor in Surgery

A.B., Davidson College, Davidson, N. C., 1924; M.D., Johns Hopkins University, 1928; Interne in Medicine, Strong Memorial Hospital, Rochester, N. Y., 1928-1929; Interne in Surgery, Johns Hopkins Hospital, 1929-1930; Assistant Resident and Resident in Surgery, Duke Hospital, 1930—.

SHELDON PAYNE, B.S., M.D.

Instructor in Medicine

B.S., and M.D., Yale, 1928 and 1931; Int. Santa Barbara Cottage Hospital, 1931-1932; Ass't Resident in Biochemistry, Duke Hospital, 1932.

ANGUS MURDOCH McBRYDE, B.S., M.D.

Assistant Professor of Pediatrics

B.S., Davidson College, 1924; M.D., University of Pennsylvania Medical School, 1928; Interne and Resident in Pediatrics, University of Pennsylvania Hospital, 1928-1930; Assistant Resident in Pediatrics, The Johns Hopkins Hospital, 1930-1931; Instructor in Pediatrics, Duke Hospital, 1931-1932.

FRANCIS WALTHOUR PORRO, B.S., M.D.

Instructor in Pathology

B.S., University of Chicago, 1926; M.D., Rush Medical School, 1929; Interne, Lutheran Deaconess Hospital, 1928-1929; Instructor in Pharmacology, Medical College of the State of South Carolina, 1929-1930; Assistant Pathologist, Duke Hospital, 1931—.

WILLIAM BANKS ANDERSON, A.B., M.D.

Assistant Professor of Otolaryngology

A.B., Univ. of North Carolina, 1920; M.D., Johns Hopkins, 1924; Int., Union Memorial Hospital, Baltimore, 1924-1925; Int., Massachusetts Eye and Ear Infirmary, 1925-1927; Ophthalmologist, Duke Hospital, 1930—.

WATT WEEMS EAGLE, A.B., M.D.

Associate Professor of Surgery in charge of Otolaryngology

A.B., Univ. of North Carolina, 1918; M.D., Johns Hopkins, 1925; Int., Church Home and Infirmary, Baltimore, 1925-1926; Int. Ass't Res. and Res. in Laryngol., Johns Hopkins Hospital, 1926-1929; Ass't Instr. in Laryngol., Johns Hopkins Med. Sch., 1927-1930; Otolaryngologist, Duke Hospital, 1929—.

DONALD STOVER MARTIN, A.B., M.D.

Instructor in Bacteriology

A.B., Johns Hopkins, 1925; M.D., Rochester, 1930; Int. in Ped., Strong Mem. Hosp., 1930-1931; Ass't in Physiol. and Ass't in Bact., Rochester Med. Sch., 1926-1927 and 1931-1932; Associate Bacteriologist, Duke Hospital, 1932—.

VIRGINIA GEARHART GRAY, A.B., A.M., Ph.D.

Instructor in English

A.B., Goucher College, Baltimore, Md., 1924; A.M., Ph.D., University of Wisconsin, Madison, Wis., 1925-1927; Research Secretary, Medical History Committee, Louisiana State Medical Society, 1928-1930; Instructor in English, Duke University Hospital, 1930—.

MARGARET EDGECOMBE CARTER, A.B.

Physiotherapist

A.B., Lake Erie College, Painesville, Ohio, 1931; Post Graduate work in Physical Education and Physiotherapy, Lake Erie College, 1932.

MABEL PAGE GORDON, A.B.

Physiotherapist

A.B., Duke University, 1932; Physiotherapy Certificate, Washington School of Physical Education, Washington, D. C., 1933.

SENA K. PETERSEN, R.N.

Assistant to the Dean

Diploma, University of Minnesota School of Nursing, 1926; University of Minnesota Hospital, Practical Nursing Supervisor, 1927; Charles T. Miller Hospital, St. Paul, Assistant to Superintendent of Nurses, 1927-1932, Duke University School of Nursing, Assistant to the Dean, 1932—.

MARIE A. MEHELLICK, R.N., B.S.

Instructor in Principles and Practice of Nursing

B.S. with Educational Major, University of Minnesota, 1931; Diploma, University of Minnesota, 1931.

WALBORG S. WAYNE, R.N.

Supervisor of Nursing Service

Diploma, University of Minnesota School of Nursing, 1928; Head Nurse on Men's Surgical Ward, General Hospital, Minneapolis, Minn., Feb. 1929-Dec. 1929; Night Supervisor of Contagious Department, General Hospital, Minneapolis, Minn., Dec. 1929-Nov. 1930; Night Supervisor of Contagion and Pediatrics, General Hospital, Minneapolis, Minn., Nov. 1930-Aug. 1931; Assistant Night Supervisor, Duke Hospital, Aug. 1931—.

AUGUSTA LAXTON, R.N., B.S.

Supervisor of Night Service

B.S., Florida State College for Women, 1921; Diploma, Johns Hopkins Hospital School of Nursing, 1926; District Nurse, Charlotte, Coöperative Nursing Association, Charlotte, N. C., 1928-1930.

EDITH HINVES, R.N.

Supervisor of Nursing Service in Dispensary

Diploma, Johns Hopkins Hospital School of Nursing, 1923; Head Nurse Operating Room, Johns Hopkins Hospital, 1923-1925; Ass't Supervisor Operating Room, Johns Hopkins Hospital, 1925-1926; Ass't Supervisor Dispensary, Johns Hopkins Hospital, 1925-1927; Operating Room Supervisor and Part-time Instructor, Palmerton Hospital, Palmerton, Pa., 1927-1933.

MARION FRANCES BATCHELDOR, R.N.

*Instructor in Operating Room Technique**Supervisor of the Operating Room*

Diploma, Peter Bent Brigham Hospital School of Nursing, 1920; Head Nurse and Supervisor of Operating Room, Peter Bent Brigham Hospital, 1921-1923 and 1923-1927; Head Nurse, Operating Room, Johns Hopkins Hospital, 1927-1930.

 ASSISTANT SUPERVISORS AND HEAD NURSES

JULIA ELIZABETH WHITE, A.B., R.N.

Assistant Supervisor of Night Service

A.B., Newberry College, Newberry, S. C., 1927; Diploma, Johns Hopkins Hospital School of Nursing, 1930; Head Nurse, Assistant Night Supervisor, Night Supervisor, Harriet Lane Home, Johns Hopkins Hospital, 1930-1932.

CREDITH LOY, R.N.

Assistant Supervisor of the Operating Room

Diploma, Univ. of Kansas School of Nursing, 1926; Post Graduate work, Johns Hopkins Hospital, April-Sept. 1927; Surgical Supervisor, Univ. of Kansas Hospital, 1927-1929; Second Ass't Surgical Supervisor, Ass't Surgical Supervisor, Johns Hopkins Hospital, 1929-1932; Ass't Surgical Supervisor, St. Luke's Hospital, Cleveland, O., Feb. 1933-Sept. 1933.

MILDRED SHERWOOD, R.N.

Head Nurse on Pediatric Ward

Diploma, Mount Sinai Hospital, New York City, 1923; Head Nurse, Mount Sinai Hospital, 1923-1926; Head Nurse, Johns Hopkins Hospital, Baltimore, Md., 1926-1930.

MYRTLE E. LEWIS, A.B., R.N.

Head Nurse on Obstetrical and Gynecological Ward

A.B., Milton College, Milton, Wis.; Diploma, Battle Creek College School of Nursing, 1928; Post Graduate work, Chicago Lying-In Hospital, Feb.-June 1932; Relief School Nurse, Battle Creek, Mich., Feb.-April 1928; Instructor in Hydrotherapy and Head Nurse, Cook County Hospital, Chicago, 1928-1929; Teaching Supervisor in Psychiatric Nursing and Ass't Supervisor, Cook County Hospital, 1929-1930; Night Supervisor, Muhlenberg Hospital, Plainfield, N. J., Feb.-Sept. 1930; Instr. of Science, Muhlenberg Hospital, Sept. 1930-Jan. 1932; Educational Director, Chicago Lying-In Hospital, 1932-1933.

PAULINE FLETCHER, R.N.

Head Nurse on Private Medical and Surgical Ward

Diploma, University of Minnesota School of Nursing, 1932; Post Graduate work, Univ. of Minnesota, June-Aug. 1932; Ass't Instructor in Practical Nursing, April-Oct. 1932; Ass't Head Nurse of Surgical Ward, Charge Nurse in Dispensary, Univ. of Minnesota Hospital, Oct. 1932-Aug. 1933.

MARION McMAHON, R.N.

Head Nurse on Women's Surgical Ward

Diploma, St. Luke's Hospital, Duluth, Minnesota, 1930; Assistant to Supervisor of Obstetrics, St. Luke's Hospital, Jan. 1931-Sept. 1931.

NELL LUTHER, R.N.

Head Nurse on Men's Surgical Ward

Diploma, Biltmore Hospital, Biltmore, N. C., 1919; Head Nurse, Biltmore Hospital, 1924; Office Ass't, Asheville, N. C., 1926-1930; Private Duty, Asheville, N. C. and Greenwood, S. C., 1930.

ELIZABETH C. CARTER, R.N.

Head Nurse on Women's Medical Ward

Diploma, Petersburg General Hospital, Petersburg, Va., 1922; Supervisor of Medical and Surgical Ward, Baltimore City Hospital, 1926-1927; Supervisor of Female Medical Ward, Louisville City Hospital, 1927-1928; General Duty, Willard Parker Hospital, New York City, 1928-1929; Assistant and Charge Nurse of Medical and Surgical Ward, Henry Ford Hospital, Detroit, Michigan, 1930.

HANNAH M. BINHAMMER, R.N.

Head Nurse on Men's Medical Ward

Diploma, University of Michigan School of Nursing, 1921; Post Graduate work, Cook County Hospital, Chicago, 9 months; General duty, Ford Hospital, Detroit, Michigan, 1923-1924; Ass't. Supervisor of Out Patient Department, University Hospital, Ann Arbor, Michigan, 1925-1930.

ARDEAN C. EVERETT, R.N.

Head Nurse on Medical and Surgical Colored Ward

Diploma, Philadelphia General Hospital, 1928; Head Nurse of Pediatrics, Post Graduate School of Medicine of University of Pennsylvania, 1928-1930; Head Nurse of Men's Medical Ward, Post Graduate School of Medicine of University of Pennsylvania, 1930-1931; Head Nurse of Private Surgical Ward, Geneva General Hospital, Geneva, N. Y., 1932-1933.

MAY BRYANT, R.N.

Head Nurse on Men's Surgical Ward

Diploma, Presbyterian Hospital School of Nursing, Chicago, Ill., 1928; Private Duty, 1928-1930; Head Nurse Women's Surgical Ward, Presbyterian Hospital, 1930-1933; Examining Room, Presbyterian Hospital, March, 1933-September, 1933.

THE SCHOOL OF NURSING

GENERAL INFORMATION

The School of Nursing of Duke University was established in 1925 in connection with the School of Medicine of the University and Duke Hospital through the munificent gift of the late James B. Duke.

The plan of the School is to give a sound basic course in Nursing Education which will prepare young women to give intelligent nursing care to the sick in hospitals and homes of the community as well as an introduction to the problems of community health and preventive medicine.

FACILITIES FOR INSTRUCTION

The facilities for instruction include the undergraduate colleges of the University, the School of Medicine, and the Duke Hospital. Students of the School of Nursing are admitted on the same basis as other students of the University.

LIBRARIES

The reference library of books and periodicals of special interest to students majoring in nursing is located in the Hospital Library. The student may use the general libraries on both campuses.

RESIDENCE

The students are housed in the new steel construction, fire-proof residence located near the Hospital. It is adequately equipped with blankets and linen, making further provision by the student unnecessary.

HEALTH REGULATIONS AND PHYSICAL EDUCATION

The School has general supervision of the student's health. All students are required to pass a physical examination upon admission to the School of Nursing and at periods thereafter, a final examination being given at the end of the course. The usual tests and vaccinations are required. Exercise for two periods a week during the first two quarters is required of all

students taking the three-year course. Students in the five-year course meet the full requirements of the Woman's College during their freshman and sophomore years.

ACTIVITIES OFFERED

Autumn Quarter—(October to December) Hockey, swimming, tennis, riding, moderate sports, and hiking.

Winter Quarter—(January to March) Informal gymnastics, Danish gymnastics, apparatus, games, individual gymnastics, folk dancing, clogging, interpretative dancing, swimming, and basketball.

Spring Quarter—(March to June) Tennis, swimming, riding, baseball, track, field events, and archery.

ADMISSION REQUIREMENTS

An application form may be obtained by writing to the Dean, Duke University School of Nursing, Durham, N. C. The application should be submitted as early as possible in the year in which the applicant desires admission to the School. The applicant will be notified whether she has been accepted or declined; if accepted, the student must send a deposit of \$25 within two weeks to insure her enrollment. This money will be applied toward the tuition. Classes are admitted in September of each year. Students entering in September, 1934, are required to matriculate at the School of Nursing on September 25, 1934.

The entrance requirements are intelligence, character, and graduation from an accepted high school. The course leading to the Diploma of Graduate Nurse consists of three years of eleven months each. The preferable age for students is between eighteen and thirty years.

The degree of Bachelor of Science in Nursing also is offered to those who have completed successfully two years of college work (60 semester-hours) in Duke University or another acceptable college or university in addition to the three-year course leading to the Diploma of Graduate Nurse in Duke University School of Nursing. The sixty semester-hours may be completed either before or after the three-year course in the School of Nursing. Those who contemplate studying for this degree should write to the Dean of the School of Nursing for advice in regard to the required course of study.

EXPENSES

The balance of the tuition fee of one hundred dollars yearly is payable upon the day of admission and at the beginning of each succeeding year of the three-year course. There will be no expense for room, board, and laundry during the pre-clinical or clinical periods. Textbooks and uniforms are furnished. There are no scholarships or loan funds in the School of Nursing. In the five-year course leading to the Diploma of Nursing and the B.S. degree the expense of the two years of college work is borne by the student. The above regulations regarding tuition, board, uniforms, and textbooks apply only when the student is in residence in the School of Nursing.

THE THREE-YEAR COURSE

Each year is divided into four quarters of three months each. For the student entering in September there is a vacation of two weeks between the first and second quarters at Christmas, the remaining two weeks' vacation for that year are given during the summer months. A three months' vacation will be allowed during the three years. Vacations may not be limited to the summer, but may be assigned at any time during the year. This may be necessary to insure the most effective correlation of theory and practice.

The instruction in the three-year program, while necessarily less extensive than in the five-year program, is no less thorough. The technical courses which have to do with bedside care are identical for both programs.

THE COURSE OF STUDY

(This is a condensed description of courses. For a full description, see Bulletin of the School of Nursing.)

Anatomy.	DR. HOLLINSHEAD, MISS GARDINER
Physiology.	DR. BERNHEIM, DR. MCCRAE, MISS GARDINER
Chemistry.	DR. TAYLOR, MISS GARDINER
Bacteriology.	DR. MARTIN, MISS GARDINER
Pathology.	DR. PORRO, MISS GARDINER
English I, II.	MRS. GRAY

HYGIENE

Personal Hygiene.	MISS GARDINER
Posture.	MISS CARTER
Preventive Medicine and Public Health.	DR. EPPERSON AND ASSISTANTS, MISS GARDINER

MEDICINE

Medical Diseases and Medical Nursing.	DR. PAYNE, MISS HINVES
Communicable Diseases.	DR. MCBRYDE, MISS GARDINER
Dermatology.	DR. PERSONS, MISS GARDINER
Special Therapeutics.	
X-ray.	DR. REEVES, MISS GARDINER
Dental Hygiene.	DR. MCCUTCHEON, MISS GARDINER
Allergy.	DR. HANSEN, MISS GARDINER
Basal Metabolism.	DR. JOHNSTON, MISS GARDINER

NURSING

History of Nursing.	MISS GARDINER
Principles and Practice of Nursing, Elementary.	MISS MEHELICK
Principles and Practice of Nursing, Advanced.	MISS MEHELICK
Bandaging.	MISS MEHELICK
Ethics	MISS BAKER

Hospital Economics	MISS GARDINER
Case Study	MISS GARDINER
Senior Demonstrations	MISS MEHELICK
Professional Problems	MISS BAKER
Senior Seminar	MISS GARDINER

NUTRITION

Nutrition and Cookery	MRS. MARTIN
Diet in Disease	MRS. MARTIN

OBSTETRICS AND GYNECOLOGY

Gynecology and Gynecological Nursing.	DR. CARTER AND ASSISTANTS, MISS LEWIS
Obstetrics and Obstetrical Nursing.	DR. CARTER AND ASSISTANTS, MISS LEWIS

PEDIATRICS

Pediatrics and Pediatric Nursing.	DR. MCBRYDE, MISS SHERWOOD
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PHARMACOLOGY

Elementary Pharmacology.	MISS GARDINER
Materia Medica, Advanced.	MISS GARDINER

PHYSIOTHERAPY

Physiotherapy.	MISS GORDON
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PSYCHOLOGY

Psychology.	DR. LUNDHOLM
Mental Hygiene.	MISS GARDINER
Neurology and Psychiatry.	MISS GARDINER

SURGERY

General Surgical Diseases and Surgical Nursing.	DR. JONES, MISS McMAHON
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Orthopedics.	DR. SHANDS, MISS GARDINER
Urology.	DR. ALVEA, MISS GARDINER
Operating Technique.	MISS BATCHELDER
Otology, Rhinology, and Laryngology.	DR. EAGLE, MISS GARDINER
Ophthalmology.	DR. ANDERSON, MISS GARDINER
Social Service.	MR. STANLEY AND ASSISTANTS, MISS GARDINER

SCHEDULE OF CURRICULUM—THREE-YEAR COURSE

FIRST YEAR

<i>Autumn Quarter</i>				<i>Winter Quarter</i>			
	Hours				Hours		
	Lect.	Lab.	Total	Lect.	Lab.	Total	
	Class			Class			
Anatomy	33	77	110	Principles and			
Physiology	22		22	Practice of			
Chemistry	33	22	55	Nursing, Elem. 34	56	90	
History of				Psychology	22	22	
Nursing	33		33	Materia Medica. 33		33	
Bacteriology	22	22	44	Nutrition and			
Pharmacology,				Cookery	22	22	44
Elem.	22	11	33	Hospital			
Personal				Economics	11	11	
Hygiene	22		22	Ethics	11	11	
English I	33		33	Case Study	11	11	22
Posture		11	11	English	33	33	
	<hr/>	<hr/>	<hr/>		<hr/>	<hr/>	<hr/>
	220	143	363		177	89	266
 <i>Spring Quarter</i>				 <i>Summer Quarter</i>			
		Hours					
	Lect.	Lab.	Total	Vacation 2 weeks			
	Class			Ward Practice 8 hours daily			
Principles and							
Practice of							
Nursing	33	33	66				
Bandaging	3	8	11				
Physiotherapy	4	12	16				
	<hr/>	<hr/>	<hr/>				
	40	53	93				

SECOND YEAR

<i>Autumn Quarter</i>			<i>Winter Quarter</i>		
	Hours			Hours	
Lect. Class		Total	Lect. Class		Total
Pathology	22	22	Gynecology	22	22
Medicine	33	33	Orthopedics	22	22
Surgery	33	33	Urology	22	22
Diet in Disease	44	44	Uperating		
			Technique	11	11
			Special		
			Therapeutics	22	22
	132	132		99	99
<i>Spring Quarter</i>			<i>Summer Quarter</i>		
	Hours				
Lect. Class		Total			
Communicable			Vacation	4 weeks	
Diseases	33	33	Ward Practice	8 hours daily	
Mental Hygiene	22	22			
Ear, Nose,					
Throat	22	22			
	77	77			

THIRD YEAR

<i>Autumn Quarter</i>			<i>Winter Quarter</i>		
	Hours			Hours	
Lect., Class			Lect., Class		
Obstetrics	44		Psychiatry	44	
Pediatrics	44		Eye	22	
			Skin	11	
	88		Senior Demonstrations	11	
				88	
<i>Spring Quarter</i>			<i>Summer Quarter</i>		
	Hours				
Lect., Class					
Professional Problems	22		Vacation	4 weeks	
Preventive Medicine and			Ward Practice	8 hours daily	
Public Health	22				
Social Service	22				
Senior Seminar	11				
	77				

Clinical Experience After the
First Six Months

	Months
Medical Wards	6
Surgical Wards	6½
Diet Kitchen	1½
Gynecological Nursing	2
Operating Room	3
Out Patient Clinics	1
Private Wards	1
Obstetrical Department	3
Pediatrics Department	3
	27

In addition there is a preparatory period of six months and a vacation period of three months making a total of thirty-six months.

**THE FIVE-YEAR COURSE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE AND GRADUATE IN NURSING**

Major Advisers

BESSIE BAKER, *Dean*

ANN HENSHAW GARDINER

In order to meet the needs of the student, the five-year course leading to the degree of bachelor of science in nursing and graduate in nursing has been planned in two groups.

In the first group the course is for the students completing two years of college work before entering the School of Nursing.

Group two is for students who plan to complete their two years of college work following their nursing education.

Whenever possible, we suggest that the student elect the five-year course, taking the two years of college work preceding the three years in the School of Nursing. Conferences may be planned to give the student a better understanding of the field she has chosen.

GROUP I

The aim is to give the student in her first two years an introduction to the general cultural subjects which we considered fundamental and to give her a better foundation in the science of nursing.

FIRST YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
English, 1	3	English, 2	3
Language	3	Language	3
Chemistry, 1	4	Chemistry, 2	4
Zoölogy, 1	4	Zoölogy, 2	4
Mathematics, 3	3	Mathematics	3
	17		17
Physical Education			
Nursing Conference			

SECOND YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
English, 3/5	3	English, 4/6	3
Language	3	Language	3
History, 1-5	3	History, 2-52	3
Economics, 51	3	Economics, 52	3
Psychology, 101	3	Education, 58	3
	15		52
Physical Education			
Nursing Conference			

GROUP II

In this group the student enters the School of Nursing for three years and upon the completion of her nursing education enters the university to fulfill the following requirements leading to the degree of bachelor of science in nursing and graduate in nursing.

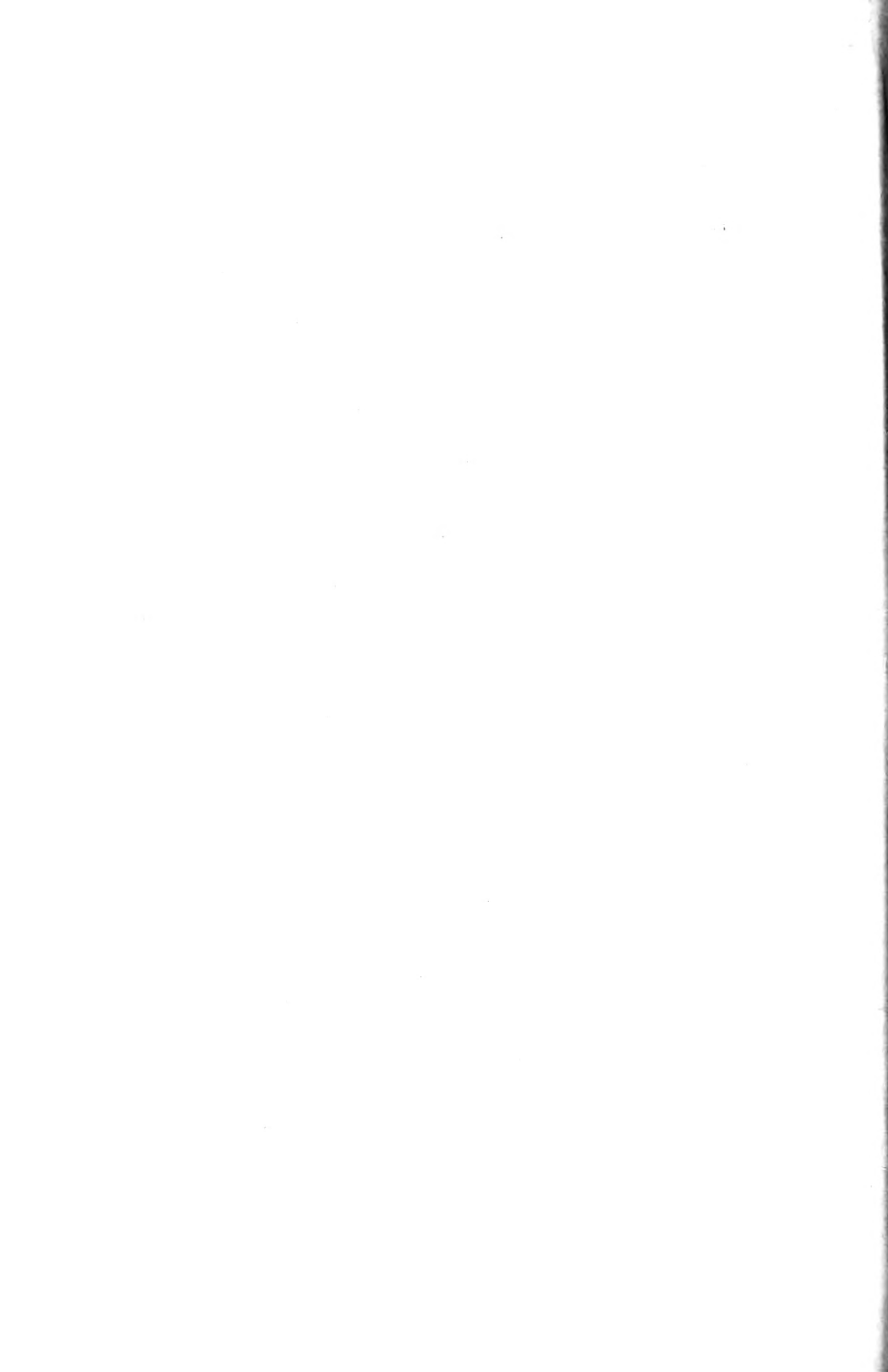
The students will be required to complete sixty (60) semester-hours, thirty (30) of which must be in the work approved for seniors.

She must complete eighteen to twenty-four (18-24) semester-hours in a major subject either in the division of Mathematics, Psychology, or Natural Science. The work in this division must not total more than thirty (30) semester-hours.

The total of thirty (30) semester-hours will also be required in the divisions of the Humanities, Social Science, and History.

At least twelve (12) semester-hours in each of these divisions will be required of the student.

Students will be allowed to take a maximum of six (6) semester-hours of freshman work for credit. They must also meet the university requirements concerning quality points.



THE SCHOOL OF RELIGION

1933-1934

ANNOUNCEMENTS FOR 1934-1935

CALENDAR

1934

- Sept. 20. Thursday, 4 P.M.—First regular faculty meeting.
Sept. 21-22. Friday and Saturday—Matriculation and registration of students.
Sept. 24. Monday, 8:40 A.M.—Instruction begins.
Sept. 25. Tuesday, 8 P.M.—Formal opening exercises.
Oct. 16. Tuesday—Fall retreat.
Nov. 1. Thursday—Last day for submitting subjects for B.D. theses.
Nov. 11. Sunday—Armistice Day.
Nov. 29. Thursday—Thanksgiving Day—A holiday.
Dec. 11. Tuesday—Duke University Day—Not a holiday.
Dec. 19. Wednesday, 1 P.M.—Christmas recess begins.

1935

- Jan. 3. Thursday, 8:40 A.M.—Instruction is resumed.
Jan. 19. Saturday—Mid-year examinations begin.
Jan. 30. Wednesday—Matriculation and registration for second semester.
Jan. 31. Thursday—Second semester begins.
Feb. 22. Friday—A holiday.
March 27. Wednesday, 1 P.M.—Spring vacation begins.
April 3. Wednesday, 8:40 A.M.—Instruction is resumed.
May 1. Wednesday—Spring retreat.
May 15. Wednesday—Last day for submitting B.D. theses.
May 24. Friday—Final examinations begin.
May 31. Friday, 4 P.M.—Dean's reception to graduating class.
June 2. Sunday—President's address to graduating class.
June 3. Monday evening—Organ recital.
June 4. Tuesday morning—Commencement sermon.
June 4. Tuesday—Alumni Day—Class Reunions.
1 P.M.—Annual Alumni-Alumnae Luncheon.
Business Meeting of Alumnae Association.
June 4. Tuesday evening—Reception in honor of the Graduating Class.
June 5. Wednesday morning—Commencement address.
June 5. Wednesday afternoon—Graduating exercises.
June 5. Wednesday afternoon at sunset—Lowering of the Flag by the graduating class.

GENERAL ADMINISTRATION

FEW, WILLIAM PRESTON, A.B., A.M., Ph.D., LL.D., Litt.D.
President of the University

FLOWERS, ROBERT LEE, A.M., LL.D.
*Vice-president in the Business Division, Secretary, and
Treasurer of the University*

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.
Vice-president in the Educational Division of the University

BROWN, FRANK CLYDE, A.B., A.M., Ph.D.
Comptroller of the University

LEE, ARTHUR CARL, B.S., C.E.
Chief Engineer

COMMITTEE OF THE BOARD OF TRUSTEES ON THE SCHOOL OF RELIGION

W. W. PEELE, T. M. GRANT, J. F. KIRK, J. B. HURLEY, T. F. MARR

EDUCATIONAL ADMINISTRATION

*RUSSELL, ELBERT, A.B., A.M., Ph.D.
Dean of the School of Religion

ROWE, GILBERT THEODORE, A.B., D.D., Litt.D.
Acting Dean of the School of Religion

GARBER, PAUL NEFF, A.B., A.M., Ph.D.
Registrar of the School of Religion

* On sabbatical leave, 1933-1934.

INSTRUCTIONAL STAFF

BRANSCOMB, BENNETT HARVIE, A.B., M.A. (Oxon), Ph.D.

Professor of New Testament

CANNON, JAMES, III, A.B., A.M., Th.B., Th.M.

Ivey Professor of the History of Religion and Missions

CRANFORD, WILLIAM IVEY, A.B., Ph.D.

Carr Professor of Philosophy

ELLWOOD, CHARLES ABRAM, Ph.B., Ph.D., LL.D.

Professor of Sociology

GARBER, PAUL NEFF, A.B., A.M., Ph.D.

Professor of Church History

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.

Professor of the Psychology of Religion

MYERS, HIRAM EARL, A.B., S.T.B., S.T.M.

Professor of English Bible

ORMOND, JESSE MARVIN, A.B., B.D.

Professor of Practical Theology

ROWE, GILBERT THEODORE, A.B., D.D., Litt.D.

Professor of Christian Doctrine

*RUSSELL, ELBERT, A.B., A.M., Ph.D.

Professor of Biblical Interpretation

SMITH, HILRIE SHELTON, A.B., Ph.D., D.D.

Professor of Religious Education

SPENCE, HERSEY EVERETT, A.B., A.M., B.D.

Professor of Religious Education

STANBURY, WALTER ALBERT, A.B., D.D.

Professor of Practical Theology

CLARK, KENNETH WILLIS, A.B., B.D., Ph.D.

Instructor in New Testament

JENSEN, HOWARD EIKENBERRY, A.B., A.M., B.D., Ph.D.

Professor of Sociology

* On sabbatical leave, 1933-1934.

McDOUGALL, WILLIAM, B.A., M.A., M.B., D.Sc., Litt.D.
Professor of Psychology

WIDGERY, ALBAN GREGORY, B.A., M.A.
Professor of Philosophy

LUNDHOLM, HELGE, Ph.D.
Associate Professor of Psychology

BARNES, JAMES FOSTER, A.B., A.M.
Instructor in Church Music

CHALKER, THOMAS PHELPS, A.B., A.M., B.D.
Assistant in Hebrew

COMMITTEES OF THE FACULTY

Registration and Advanced Standing—The Registrar, the Dean, and Professor Cannon.

Public Exercises—Dean Russell, Professors Branscomb, Garber, Hickman, and Rowe.

Library—Professors Branscomb, Cannon, and Smith.

Extension—Professors Hickman, Rowe, Myers, Ormond, and Spence.

Representatives on Joint Committee on Junaluska School of Religion—President Few, Dean Russell, and Professor Garber.

SCHOOL OF RELIGION IN DUKE UNIVERSITY

Through the gift of Mr. James B. Duke, the School of Religion and its curriculum have been separated from the work of the Department of Religion in Trinity College. Among those for whom his gift was intended Mr. Duke placed ministers first. He felt sure that his native state of North Carolina stood in need primarily of a better educated and more efficiently trained ministry. The organization of the School of Religion of Duke University, the first of the professional schools to start its work, is the carrying out of this intention on the part of Mr. Duke. The work of the school began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

Duke University retains the same close relationship which Trinity College always held to the Conferences in North Carolina of the Methodist Episcopal Church, South. This legal relationship has always been broadly interpreted: members of all Christian denominations, as well as Methodists, are made to feel welcome in the School of Religion. The basis on which the work is conducted is broadly catholic and not narrowly denominational.

THE PURPOSE OF THE SCHOOL OF RELIGION

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The School of Religion of Duke University purposes to offer training for all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the Church, directors of religious education, and social workers.

REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This

applies to students coming from foreign countries as well as to students from institutions in the United States. They must satisfy the faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official, or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men.

ADMISSION TO ADVANCED STANDING

Students coming from colleges where departments of religion are maintained may be admitted to advanced courses in the departments of the School of Religion in which they have done previous work as undergraduates. After one semester in residence and the completion of at least twelve semester-hours of work, students may make application to the faculty of the School of Religion for credit toward the Bachelor of Divinity degree for courses of senior-graduate rank taken as undergraduates.

PART-TIME SCHEDULES

Students who are not giving full time to their studies in the School of Religion may carry only limited schedules of class work.

REQUIREMENTS FOR GRADUATION

The degree of Bachelor of Divinity will be conferred by Duke University on students in the School of Religion who satisfactorily complete the prescribed course of study, consisting of ninety semester-hours of work and a thesis. The course is planned to cover three years, of two semesters each, and students are urged to plan to spend in their theological studies the full time thus designated. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the School of Religion, and has satisfactorily completed a minimum of twenty-four semester-hours of work.

THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall

evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field, and must be filed with the Dean of the School of Religion on or before November 1 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes shall be permitted, except changes for the purpose of clarification or limitation of the subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except on the approval of the dean and the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be read by a committee of three members of the faculty of the School of Religion, one of whom shall be the professor under whose direction the thesis has been written, and two other members appointed by the dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the examining committee, including the representative of the department in which the thesis was written.

A complete typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by May 1, and three permanently-bound typewritten copies shall be presented for examination not later than May 15 of the year in which it is expected that the degree will be conferred. Theses submitted after May 15 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination such retyping and re-binding of the thesis as the committee of examination may desire shall be required.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

GENERAL REQUIREMENTS

Ninety semester-hours are required for graduation. Forty-two of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics and Practical Theology	6 s.h.
Religious Education	3 s.h.
Psychology of Religion	3 s.h.
History of Religion and Missions	6 s.h.
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	42 s.h.

MAJORS AND THESIS

Each student must select a major field in which he elects to write his thesis and in which he must take twelve semester-hours in addition to the general requirement in that field. This choice must be made by the end of the middle year. A student may take his major in any of the departments of the School of Religion. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the departments of Old Testament and New Testament nine semester-hours in the department of Old Testament and nine semester-hours in the department of New Testament, exclusive of language.

12 s.h.

FREE ELECTIVES

Thirty-six semester-hours are designated as free electives. These are to be elected by the student, subject to the approval of the faculty.

36 s.h.

90 s.h.

DISTRIBUTION OF COURSES BY YEARS

JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester-hours shall be chosen from the remaining required courses or their normal sequences in the departments of Homiletics and Practical Theology, Religious Education, Psychology of Religion, History of Religion and Missions, but not more than six semester-hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.
—
30 s.h.

MIDDLE YEAR

Christian Doctrine	6 s.h.
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After completing all other required courses, the remainder of the work of this year is elective; but not more than twelve semester-hours shall be taken in one department.

24 s.h.
—
30 s.h.

SENIOR YEAR

In the senior year the student must fulfill all general requirements not completed in the junior and middle years. The remainder of the work is elective.

30 s.h.

TABLE OF REQUIRED COURSES

OLD TESTAMENT

203-204. Introduction to the Old Testament	6 s.h.
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NEW TESTAMENT

213-214. The Beginnings of Christianity	6 s.h.
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CHRISTIAN DOCTRINE

321. Introduction to the Science of Theology	3 s.h.
322. The Content of Christian Doctrine	3 s.h.

CHURCH HISTORY

233. Church History to the Reformation	3 s.h.
234. The History of the Evangelical Movement	3 s.h.

HOMILETICS AND PRACTICAL THEOLOGY

341. Homiletics, <i>and either</i>	3 s.h.
251. The Rural Church and Sociology, <i>or</i>	3 s.h.
252. Rural Church Administration, <i>or</i>	3 s.h.

- | | |
|--|--------|
| 342. Sermon Construction, <i>or</i> | 3 s.h. |
| 343. Homiletical Argumentation, <i>or</i> | 3 s.h. |
| 344. Psychology of Preaching, <i>or</i> | 3 s.h. |
| 345. City Church Administration, <i>or</i> | 3 s.h. |
| 346. Public Worship | 3 s.h. |

RELIGIOUS EDUCATION

- | | |
|---|--------|
| 261. An Educational Approach to Religion, <i>or</i> | 3 s.h. |
| 262. Organization of Religious Education | 3 s.h. |

PSYCHOLOGY OF RELIGION

- | | |
|---|--------|
| 275. Introduction to the Psychology of Religion | 3 s.h. |
|---|--------|

HISTORY OF RELIGION AND MISSIONS

- | | |
|--|--------|
| 281. The Nature and Early Development of Religion, <i>or</i> | 3 s.h. |
| 282. Living Religions of the World, <i>and either</i> | 3 s.h. |
| 283. Expansion of Christianity, <i>or</i> | 3 s.h. |
| 284. Principles of Missions | 3 s.h. |

COURSES OF INSTRUCTION*

(This is a condensed description of courses. For a full description, see Bulletin of the School of Religion.)

OLD TESTAMENT

Odd-numbered courses are offered in the first semester, even-numbered courses in the second semester.

201-202. Introductory Hebrew.—6 s.h.

PROFESSOR _____

203-204. Introduction to the Old Testament.—6 s.h.

PROFESSOR RUSSELL

301. Old Testament Theology.—Prerequisite, Old Testament 203-204. 3 s.h.

PROFESSOR RUSSELL

302. The Exegesis of Selected Books of the Old Testament.—Prerequisite, Old Testament 203-204. 3 s.h.

PROFESSOR RUSSELL

303. Old Testament Literature.—Prerequisite, Old Testament 203-204. 3 s.h.

PROFESSOR RUSSELL

305-306. Pre-Mosaic Hebrew Religion.—6 s.h.

PROFESSOR _____

[Not offered in 1934-1935]

307-308. The Old Testament in Hebrew.—6 s.h.

PROFESSOR _____

309-310. Ancient Oriental History.—6 s.h.

PROFESSOR _____

NEW TESTAMENT

211-212. Hellenistic Greek.—6 s.h., provided the student takes New Testament 217-218 the following year.

DR. CLARK

213-214. The Beginnings of Christianity.—6 s.h.

PROFESSOR BRANSCOMB

* On recommendation of the professor in charge of the major-field courses offered in the Graduate School of Arts and Sciences, other than those approved for credit in the School of Religion, may be approved for credit in individual cases, provided no equivalent course is offered in the School of Religion; each case to be decided on its merits.

217. The New Testament in Greek.—Prerequisite, six semester-hours study of the Greek language. **3 s.h.**

DR. CLARK

218. Galatians and 1 Corinthians.—Prerequisite, New Testament 217 or its equivalent. **3 s.h.**

DR. CLARK

[Not offered in 1934-1935]

219. Life of Paul.—**3 s.h.**

PROFESSOR MYERS

[Not offered in 1934-1935]

220. 1 Peter and the Gospel of John.—Prerequisite, New Testament 217 or its equivalent. **3 s.h.**

DR. CLARK

311. The Life and Teachings of Jesus.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

312. New Testament Theology.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

314. Romans, James, and 1 John.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

315. Judaism at the Beginning of the Christian Era.—Prerequisite, New Testament 213-214. **3 s.h.**

PROFESSOR BRANSCOMB

316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite, New Testament 213-214. **3 s.h.**

DR. CLARK

318. Text of New Testament.—Prerequisite, New Testament 213-214, and a reading knowledge of Greek. **3 s.h.**

DR. CLARK

411-412. Seminar.—**4 s.h.**

PROFESSOR BRANSCOMB

CHRISTIAN DOCTRINE

321. Introduction to the Science of Theology.—**3 s.h.**

PROFESSOR ROWE

322. The Content of Christian Doctrine.—**3 s.h.**

PROFESSOR ROWE

323. Theology in Ancient and Medieval Christianity.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

324. Theology in Modern Christianity.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

325. Soteriology.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

326. Eschatology.—Prerequisite, Christian Doctrine 321-322. **3 s.h.**

PROFESSOR ROWE

CHURCH HISTORY

233. Church History to the Reformation.—**3 s.h.**

PROFESSOR GARBER

234. History of the Evangelical Movement.—**3 s.h.**

PROFESSOR GARBER

333. Protestantism and Catholicism in Europe since 1800.—Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

334. The Church in America: the National Period.—Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

335. Great Men of the Christian Church.—Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

336. Religion in the Southern States since the Civil War.—Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

[Not offered in 1934-1935]

337. Methodism.—Prerequisite, Church History 233-234. **3 s.h.**

PROFESSOR GARBER

431-432. Seminar.—**4 s.h.**

PROFESSOR GARBER

HOMILETICS AND PRACTICAL THEOLOGY

251. The Rural Church and Sociology.—**3 s.h.**

PROFESSOR ORMOND

252. Rural Church Administration.—**3 s.h.**

PROFESSOR ORMOND

341. Homiletics.—3 s.h.

PROFESSOR MYERS

342. Sermon Construction.—3 s.h.

PROFESSOR MYERS

343. Homiletical Argumentation.—3 s.h.

PROFESSOR HICKMAN

344. Psychology of Preaching.—3 s.h.

PROFESSOR HICKMAN

345. City Church Administration.—3 s.h.

PROFESSOR STANBURY

[Not offered in 1934-1935]

346. Public Worship.—3 s.h.

PROFESSOR STANBURY

[Not offered in 1934-1935]

348. Church Music and Religious Art.—3 s.h.

MR. BARNES

353-354. Practicum on Rural Church Work.—2 s.h.

PROFESSOR ORMOND

RELIGIOUS EDUCATION

261. An Educational Approach to Religion.—3 s.h.

PROFESSOR SMITH

262. Organization of Religious Education.—3 s.h.

PROFESSOR SPENCE

263. Curriculum of Religious Education.—3 s.h.

PROFESSOR SPENCE

264. Technic of Teaching Religion.—3 s.h.

PROFESSOR SPENCE

265. Religious Drama.—3 s.h.

PROFESSOR SPENCE

266. Educational Aspects of Worship.—3 s.h.

PROFESSOR SMITH

362. Religious Education in Social Reconstruction.—Prerequisites, three semester-hours in sociology and Religious Education 261 or its equivalent. **3 s.h.**

PROFESSOR SMITH

[Not offered in 1934-1935]

363-364. Religious Education and American Civilization.—Prerequisite, Religious Education 261 or its equivalent. **6 s.h.**

PROFESSOR SMITH

365. Seminar in Character Education and the State.—Prerequisite, Religious Education 261 or its equivalent. **2 s.h.**

PROFESSOR SMITH

366. Seminar in Philosophy of Religious Education.—Prerequisite, Religious Education 261 or its equivalent. **2 s.h.**

PROFESSOR SMITH

381-382. Thesis Seminar.—**4 s.h.**

PROFESSOR SMITH

PSYCHOLOGY OF RELIGION

275. Introduction to the Psychology of Religion.—**3 s.h.**

PROFESSOR HICKMAN

276. Advanced Psychology of Religion.—Prerequisite, Psychology of Religion 275 or its equivalent. **3 s.h.**

PROFESSOR HICKMAN

371. The Genetic Psychology of Religion.—Prerequisite, Psychology of Religion 275 or its equivalent. **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

372. Mysticism in Religion.—Prerequisite, Psychology of Religion 275 or its equivalent. **3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

373. Pastoral Psychology.—**3 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

377-378. Seminar: Theories of Self.—**4 s.h.**

PROFESSOR HICKMAN

[Not offered in 1934-1935]

***201. Social Psychology.**—**2 s.h.**

PROFESSOR McDUGALL

***218. Abnormal Psychology.**—**3 s.h.**

ASSOCIATE PROFESSOR LUNDHOLM

***219-220. History of Psychology.**—**2 s.h.**

PROFESSOR McDUGALL

HISTORY OF RELIGION AND MISSIONS

281. The Nature and Early Development of Religion.—**3 s.h.**

PROFESSOR CANNON

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

282. Living Religions of the World.—3 s.h.
PROFESSOR CANNON
283. Expansion of Christianity.—3 s.h.
PROFESSOR CANNON
284. Principles of Missions.—3 s.h.
PROFESSOR CANNON
[Not offered in 1934-1935]
285. The Religions of Eastern Asia.—3 s.h.
PROFESSOR CANNON
[Not offered in 1934-1935]
286. The Religions of India.—3 s.h.
PROFESSOR CANNON
[Not offered in 1934-1935]
PROFESSOR CANNON
381. Ideas of God, Sin, and Salvation in the Religions of the World.—Pre-requisite, History of Religion and Missions 281 or 282. 3 s.h.
PROFESSOR CANNON
382. Ideas of the Future Life and Ethics in the Religions of the World.—Prerequisite, History of Religion and Missions 281 or 282. 3 s.h.
PROFESSOR CANNON
383. Buddhism.—Prerequisite, History of Religion and Missions 282. 3 s.h.
PROFESSOR CANNON
[Not offered in 1934-1935]
384. Mohammedanism.—Prerequisite, History of Religion and Missions 282. 3 s.h.
PROFESSOR CANNON
[Not offered in 1934-1935]
- 481-482. Seminar.—Prerequisite, six semester-hours in the department. 4 s.h.
PROFESSOR CANNON

PHILOSOPHY

203. The Philosophy of Conduct.—3 s.h.
PROFESSOR CRANFORD
204. Christian Ethics.—3 s.h.
PROFESSOR CRANFORD
- *209-210. The Philosophy of Religion.—6 s.h.
PROFESSOR WIDGERY
- 223-224. Idealism.—6 s.h.
PROFESSOR CRANFORD

SOCIOLOGY

***205. Social Pathology.—3 s.h.**

PROFESSOR JENSEN

***206. Criminology.**—Prerequisite, six semester-hours in undergraduate sociology or Sociology 301. **3 s.h.**

PROFESSOR JENSEN

***212. Child Welfare.**—Prerequisite, six semester-hours in undergraduate sociology or Sociology 301. **3 s.h.**

PROFESSOR JENSEN

217. General Anthropology.—3 s.h.

PROFESSOR ELLWOOD

218. Cultural Anthropology.—3 s.h.

PROFESSOR ELLWOOD

319. Principles of Sociology.—3 s.h.

PROFESSOR ELLWOOD

320. History of Social Philosophy.—3 s.h.

PROFESSOR ELLWOOD

***301. Sociology and Religion.—3 s.h.**

PROFESSOR JENSEN

EXTENSION COURSE

General Purpose Seminar.—Not open for credit toward the degree of Bachelor of Divinity.

PROFESSOR HICKMAN AND OTHERS

* Courses offered in the Graduate School of Arts and Sciences which are credited toward the degree of Bachelor of Divinity.

GENERAL INFORMATION

FEES

Tuition is remitted to students matriculated in the School of Religion, for which they are expected to render from time to time service which shall not interfere with their work in the School of Religion.

Each student is assessed per semester as follows:

Matriculation fee	\$25.00
Library fee	5.00
Athletic fee	5.00
Publication fee (optional)	2.50
Hospital fee	5.00
Damage fee	1.00

Each student is assessed in the last semester before a degree is conferred, a commencement fee of three dollars and a diploma fee of five dollars. The latter fee is refunded if the diploma is not awarded.

DATE OF REGISTRATION

Class work in the School of Religion for the academic session of 1934-1935 will begin Monday, September 24, 1934. The registration of students in the School of Religion will begin on Friday, September 21, 1934. Registration should be completed by Saturday, September 22, 1934.

JUNALUSKA SCHOOL OF RELIGION

ANNOUNCEMENT

The seventh session of the Junaluska School of Religion will be held at Lake Junaluska, North Carolina, from June 8 to July 19, 1934 in connection with the Junaluska Summer School, Inc. It will be conducted under the joint management of Duke University and the Board of Christian Education with the coöperation of the Board of Missions and other boards of the Methodist Episcopal Church, South.

There will be two classes of students, those who are graduates of high schools and who may have had one or more years in college and those who are graduates of colleges. The school is open to men and women. The credits secured for work done will be Duke University credits and will count toward the A.B. and B.D. degrees.

INSTRUCTORS

BENNETT HARVIE BRANSCOMB, A.B.,
M.A. (Oxon), Ph.D.,
Professor of New Testament,
DUKE UNIVERSITY.

ELMER TALMAGE CLARK, A.B., M.A., B.D., S.T.D., LL.D.,
Assistant Secretary, Board of Missions,
METHODIST EPISCOPAL CHURCH, SOUTH.

PAUL NEFF GARBER,
*Professor of Church History and Director of the Junaluska
School of Religion,*
DUKE UNIVERSITY.

HIRAM EARL MYERS, A.B., S.T.B., S.T.M.,
Professor of English Bible,
DUKE UNIVERSITY.

HILRIE SHELTON SMITH, A.B., A.M., B.D., Ph.D.
Professor of Religious Education,
DUKE UNIVERSITY.

COURSES

Courses will be offered meeting five times a week for eighty-minute periods. Each course, satisfactorily completed, will receive a credit of three semester-hours in Duke University.

GROUP I

FOR COLLEGE UNDERGRADUATES

- | | |
|--|-----------|
| S51. The History of the Hebrew People.— | MR. MYERS |
| S181. Modern Christian World Problems.— | MR. CLARK |

GROUP II

FOR COLLEGE GRADUATES
(AND FOR COLLEGE SENIORS)

- | | |
|---|---------------|
| S218A. The Religious Ideas of the Apostle Paul.— | MR. BRANSCOMB |
| S211A. The Life and Teachings of Jesus.— | MR. BRANSCOMB |
| S235. Great Men of the Christian Church.— | MR. GARBER |
| S242. Sermon Construction.— | MR. MYERS |
| S269. Character Education and the State.— | MR. SMITH |

ADDITIONAL INFORMATION

A registration fee of \$20.00 and a library and recreation fee of \$2.00 is due at time of registration.



THE SUMMER SCHOOLS

1934

First Term: June 8 to July 19

Second Term: June 29 to Aug. 10

Third Term: July 21 to Aug. 31

JUNALUSKA SUMMER SCHOOL, INC.

(AFFILIATED WITH DUKE UNIVERSITY)

June 8-July 19

LAKE JUNALUSKA, N. C.

ADMINISTRATIVE OFFICERS

WILLIAM PRESTON FEW, A.B., A.M., Ph.D., LL.D.,
PRESIDENT OF DUKE UNIVERSITY

ROBERT LEE FLOWERS, A.M., LL.D.,
VICE-PRESIDENT OF DUKE UNIVERSITY AND MEMBER OF THE FACULTY
COMMITTEE ON THE SUMMER SCHOOL

WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D.,
VICE-PRESIDENT OF DUKE UNIVERSITY AND MEMBER OF THE FACULTY
COMMITTEE ON THE SUMMER SCHOOL

HOLLAND HOLTON, A.B., J.D.,
DIRECTOR OF THE SUMMER SCHOOL AND CHAIRMAN OF THE FACULTY
COMMITTEE ON THE SUMMER SCHOOL

WILLIAM KENNETH BOYD, A.B., A.M., Ph.D.,
MEMBER OF THE FACULTY COMMITTEE ON THE SUMMER SCHOOL

ARTHUR MARCUS PROCTOR, A.B., A.M., Ph.D.,
ASSOCIATE DIRECTOR OF THE SUMMER SCHOOL

WILLIAM HENRY GLASSON, Ph.B., Ph.D.,
DEAN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ALICE MARY BALDWIN, A.B., A.M., Ph.D.,
DEAN OF THE WOMAN'S COLLEGE

WALTER KIRKLAND GREENE, A.B., A.M., Ph.D.,
DEAN OF UNDERGRADUATE INSTRUCTION

MARY GRACE WILSON, A.B.,
SOCIAL DIRECTOR AND ACTING DEAN OF WOMEN

MAY McLELLAND, A.B., M.S.,
(Dean, Peace Junior College),
SOCIAL DIRECTOR AND ACTING DEAN OF WOMEN (SECOND TERM)

FLORA MARIE MEREDITH, A.B.,
(Assistant Dean, North Carolina College for Women),
ASSISTANT DEAN OF WOMEN

FACULTY

- ANDERSON, ANDREW RUNNI; A.B., University of Wisconsin; Ph.D., Harvard; LATIN (Duke University).
- BIRD, HAROLD CRUSIUS; Ph.B., C.E., Yale; CIVIL ENGINEERING (Duke University).
- BOYD, WILLIAM KENNETH; A.B., A.M., Duke; Ph.D., Columbia; HISTORY (Duke University).
- BROWNELL, WILLIAM ARTHUR; A.B., Allegheny College; A.M., Ph.D., University of Chicago; EDUCATION (Duke University).
- CANNON, JAMES, III; A.B., Duke; A.M., Princeton; Th.B., Th.M., Princeton Theological Seminary; Edinburgh, 1919; Garrett, 1924; RELIGION (Duke University).
- CHILDS, BENJAMIN GUY; A.B., A.M., University of Virginia; University of Virginia, 1921-22; EDUCATION (Duke University).
- COWPER, FREDERICK AUGUSTUS GRANT; A.B., A.M., Trinity (Conn.); University of Strassburg, 1906-07; University of Geneva, 1907-08; Ph.D., University of Chicago; FRENCH (Duke University).
- CUNNINGHAM, BERT; B.S., M.S., Illinois Wesleyan; A.M., Duke; Ph.D., University of Wisconsin; ZoöLOGY (Duke University).
- ELLIOTT, WILLIAM WHITFIELD; B.A., Hampden-Sydney; M.A., University of Kentucky; Ph.D., Cornell; MATHEMATICS (Duke University).
- GILBERT, ALLAN H.; B.A., Cornell; A.M., Yale; Ph.D., Cornell; ENGLISH (Duke University).
- GREENE, WALTER KIRKLAND; A.B., Wofford; A.M., Vanderbilt; A.M., Ph.D., Harvard; ENGLISH (Duke University).
- HALL, FRANK GREGORY; A.B., Milton College; A.M., Ph.D., University of Wisconsin; ZoöLOGY (Duke University).
- HALL, WILLIAM HOLLAND; A.B., A.M., Duke; B.C.E., University of Michigan; M.S.C.E., University of Wisconsin; ENGINEERING (Duke University).
- HOLTON, HOLLAND; A.B., Duke; J. D., University of Chicago; University of Chicago, 1926-27; EDUCATION (Duke University).
- HUBBELL, JAY BROADUS; A.B., University of Richmond; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- JENSEN, HOWARD EIKENBERRY; A.B., University of Kansas; B.D., Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- JORDAN, BRADY RIMBEY; Litt.B., Princeton; Ph.D., University of Wisconsin; FRENCH (Duke University).

- KRUMMEL, CHARLES ALBERT; Ph.B., Central Wesleyan College; Ph.M., Syracuse University; Ph.D., University of Wisconsin; University of Marburg, 1910; GERMAN (Duke University).
- ORMOND, JESSE MARVIN; A.B., Duke; B.D., Vanderbilt; RELIGION (Duke University).
- PROCTOR, ARTHUR MARCUS; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- RANKIN, WILLIAM WALTER; B.E., North Carolina State College of Agriculture and Engineering; A.M., University of North Carolina; Harvard, 1914-15; Columbia, 1919-21; MATHEMATICS (Duke University).
- ROSBOROUGH, RUSKIN RAYMOND; A.M., Ph.D., University of Pennsylvania; Docteur en Philologie Classique, Université de Louvain; LATIN (Duke University).
- SPENCE, HERSEY EVERETT; A.B., A.M., B.D., Duke; University of Chicago, 1927-28; RELIGIOUS EDUCATION (Duke University).
- WEBB, ALBERT MICAJAH; A.B., A.M., Yale; Sorbonne (Paris) and Madrid, 1907-08; Sorbonne, 1923; FRENCH (Duke University).
- WILSON, ROBERT NORTH; A.B., Haverford; M.S., University of Florida; Harvard, 1905-06; University of Illinois, 1923-24; Yale, 1931-32; CHEMISTRY (Duke University).
- WILSON, ROBERT RENBERT; A.B., Austin College; A.M., Princeton; Ph.D., Harvard; GOVERNMENT (Duke University).
- ADAMS, DONALD KEITH; A.B., Pennsylvania State; A.M., Harvard; Ph.D., Yale; PSYCHOLOGY (Duke University).
- ADDOMS, RUTH MARGERY; A.B., A.M., Wellesley; Ph.D., University of Wisconsin; BOTANY (Duke University).
- BONHAM, MILLEDGE LOUIS; B.Litt., Furman; A.M., Ph.D., Columbia; University of London, 1929; University of Paris, 1930; HISTORY (Hamilton College).
- BRADLEY, EDWARD SCULLEY; A.B., A.M., Ph.D., University of Pennsylvania; ENGLISH (University of Pennsylvania).
- CARLITZ, LEONARD; A.B., Ph.D., University of Pennsylvania; MATHEMATICS (Duke University).
- CARR, JOHN WINDER, JR.; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- COOKE, DENNIS HARGROVE; A.B., M.Ed., Duke; Ph.D., George Peabody College; EDUCATION (George Peabody College).

- CRAVEN, WESLEY FRANK; A.B., A.M., Duke; Ph.D., Cornell; HISTORY (New York University).
- DALE, JULIA; A.B., Transylvania College; A.M., University of Missouri; Ph.D., Cornell; MATHEMATICS (Duke University).
- DAVIS, HENRY CAMPBELL; A.B., A.M., University of South Carolina; University of Chicago, 1907-08; ENGLISH (University of South Carolina).
- DOUGLAS, OSCAR BERRY; A.B., Texas Christian University; A.M., University of Texas; Ph.D., University of Chicago; EDUCATION (University of Texas).
- EASLEY, HOWARD; A.B., Union University, Tenn.; A.M., Ph.D., George Peabody College; EDUCATION (Duke University).
- ENGELHARDT, FRED; Ph.B., Yale; Yale, 1908-09; A.M., Ph.D., Columbia; EDUCATION (University of Minnesota).
- GRAY, IRVING EMERY; B.S., Massachusetts Agricultural College; M.S., Ph.D., University of Wisconsin; ZoöLOGY (Duke University).
- HALE, ORON JAMES; A.B., University of Washington (Seattle); A.M., Ph.D., University of Pennsylvania; HISTORY (University of Virginia).
- HARRISON, CHARLES TRAWICK; A.B., University of Alabama; A.M., Ph.D., Harvard; ENGLISH (Boston University).
- HILLMAN, JAMES E.; B.Ped., Berea College; B.S., A.M., Ph.D., George Peabody College; EDUCATION (Director of Teacher Training and Certification, North Carolina State Department of Public Instruction).
- HOPKINS, DWIGHT LUCIAN; B.S., M.S., University of Virginia; Ph.D., Johns Hopkins; ZoöLOGY (Duke University).
- HURLEY, LEONARD BURWELL; A.B., A.M., Duke; University of Chicago; Columbia University, 1922; Ph.D., University of North Carolina; ENGLISH (Woman's College of University of North Carolina).
- JACKSON, JESS HAMILTON; A.B., A.M., University of Alabama; A.M., Ph.D., Harvard; ENGLISH (College of William and Mary).
- LANDON, CHARLES E.; A.B., A.M., University of Kansas; Ph.D., University of Illinois; ECONOMICS (Duke University).
- LEONARD, JOHN PAUL; A.B., Drury College; A.M., Ph.D., Columbia; EDUCATION (College of William and Mary).
- LUNDEBERG, OLAV K.; A.B., St. Olaf College; A.M., Ph.D., University of Minnesota; Université de Montpellier, 1918; Centro de Estudios Históricos, Madrid, 1929; SPANISH (Duke University).

- MARBERRY, JAMES OSCAR; A.B., Ewing College; A.M., Ph.D., University of Wisconsin; EDUCATION (University of Texas).
- MILES, EDWARD CECIL ROY; B.S., Georgia School of Technology; A.M., Harvard; Ph.D., Rice Institute; MATHEMATICS (Duke University).
- MITCHELL, FRANK KIRBY; A.B., Millsaps; A.M., Michigan; Oriel College, Oxford, 1921-24; ENGLISH (Duke University).
- MURCHISON, CLAUDIUS TEMPLE; A.B., Wake Forest; Ph.D., Columbia; ECONOMICS (University of North Carolina).
- NICHOLS, ROY FRANKLIN; A.B., A.M., Rutgers; Ph.D., Columbia; HISTORY (University of Pennsylvania).
- PATTERSON, KARL BACHMAN; A.B., Roanoke College; A.M., Princeton; Johns-Hopkins University, 1908-09; University of Pennsylvania, 1909-11; MATHEMATICS (Duke University).
- PATTON, LEWIS; A.B., Furman; Yale, 1923-26; ENGLISH (Duke University).
- RANKIN, ROBERT STANLEY; A.B., Tusculum College; A.M., Ph.D., Princeton; GOVERNMENT (Duke University).
- SCATES, DOUGLAS EDGAR; A.B., Whitworth; Ph.D., University of Chicago; EDUCATION (Director of Research and Statistics, Cincinnati Public Schools).
- SCHUTTE, TENJES HENRY; A.B., A.M., University of Illinois; Ph.D., University of Chicago; EDUCATION (Woman's College of Alabama).
- SPENGLER, JOSEPH JOHN; A.B., A.M., Ph.D., Ohio State University; ECONOMICS (University of Arizona).
- STOWE, ANCEL ROY MONROE; Ph.B., A.M., Northwestern University; A.M., Harvard; Ph.D., Columbia; EDUCATION (Randolph-Macon Woman's College).
- TROTH, DENNIS CLAYTON; B.Ed., A.M., Ph.D., University of Washington; Columbia, 1931-32; EDUCATION (Dickinson Seminary).
- WILSON, FREDERICK ELIPHAZ; A.B., Oberlin; A.M., Columbia; Leipzig, 1916-17; Harvard, 1922-23; GERMAN (Duke University).
- ZENER, KARL EDWARD; Ph.B., University of Chicago; A.M., Ph.D., Harvard; National Research Fellow in Psychology, University of Berlin, 1926-27; PSYCHOLOGY (Duke University).
- AGNEW, DONALD CHARLES; A.B., Park College; A.M., Duke; Duke, 1932-33; EDUCATION (Winthrop College).

- BLACK, MARTIN LEE, JR.; A.B., Duke; M.B.A., Northwestern; C. P. A., Illinois and North Carolina; ACCOUNTING (Duke University).
- BRIDGERS, FURMAN ANDERSON; A.B., Duke; A.M., University of Chicago; University of Chicago, 1928-29; FRENCH (Duke University).
- BROWN, FRANCES; A.B., Agnes Scott College; Ph.D., Johns Hopkins; CHEMISTRY (Duke University).
- CURTIS, KADER RANDOLPH; A.B., Wake Forest; M.Ed., Duke; EDUCATION (Superintendent of Wilson County and City Schools).
- DAVIS, GIFFORD; A.B., Bowdoin College; A.M., Ph.D., Harvard; SPANISH (Duke University).
- ENGLISH, MILDRED; B.S., A.M., George Peabody College; Columbia, 1930-31; EDUCATION (Assistant Superintendent, Raleigh City Schools).
- GARDINER, ANN HENSHAW, R.N.; Grad. Shepherd Normal School (W. Virginia); B.S., Columbia; University of Washington Medical School of Hygiene, 1924-25; M.S., Kansas State College; HYGIENE (Duke University).
- GODARD, JAMES McFATE; A.B., Park; A.M., Duke; Duke, 1930-31, 1932-34; EDUCATION (Duke University).
- GREENWOOD, JOSEPH; A.B., A.M., Ph.D., University of Missouri; MATHEMATICS (Duke University).
- HAUSER, CHARLES ROY; B.S., M.S., University of Florida; Ph.D., University of Iowa; CHEMISTRY (Duke University).
- HERRING, HERBERT JAMES; A.B., Duke; A.M., Columbia; PUBLIC SPEAKING (Duke University).
- HILL, DOUGLAS; A.B., Yale; M.A., Ph.D., Princeton; CHEMISTRY (Duke University).
- JORDAN, ARCHIBALD CURRIE; A.B., Duke; A.M., Columbia; Columbia, 1924-25; ENGLISH (Duke University).
- KEECH, JAMES MAYNARD; A.B., A.M., Duke; Duke, 1930-33; ECONOMICS (Duke University).
- KRAMER, PAUL JACKSON; A.B., Miami (Ohio); M.S., Ph.D., Ohio State; BOTANY (Duke University).

- LANNING, JOHN TATE; A.B., Duke; A.M., University of California; University of London, 1926-27; Ph.D., University of California; HISTORY (Duke University).
- McDONALD, RALPH WALDO; A.B., Hendrix College; M.Ed., Ph.D., Duke; EDUCATION (Salem College).
- McGEE, THERESA DANSDILL; A.B., Des Moines University; A.M., Columbia; HEALTH EDUCATION (Author Textbooks in Health Education).
- MABRY, WILLIAM ALEXANDER; A.B., A.M., Duke; A.M., Harvard; Ph.D., Duke; HISTORY (Duke University).
- MANCHESTER, ALAN KREBS; A.B., Vanderbilt University; A. M., Columbia; Ph.D., Duke; HISTORY (Duke University).
- MAXWELL, WILLIAM CARY; A.B., A.M., Duke; Ph.D., University of Heidelberg; GERMAN (Duke University).
- MICHAELS, MATILDA OSBORNE; A.B., Duke; A.M., Columbia; ELEMENTARY EDUCATION (Supervisor Durham County Schools).
- MITCHELL, NICHOLAS PENDLETON, JR.; A.B., A.M., University of Texas; Duke, 1931-33; GOVERNMENT (Duke University).
- PORTER, ESTELLE RAWL; A.B., Winthrop; Smith College, 1922-23; University of Chicago, 1926-27; ELEMENTARY EDUCATION (Charlotte City Schools).
- PULLIAS, EARL VIVON; A.B., Cumberland University; A.M., University of Chicago; Duke, 1931-34; EDUCATION (Duke University).
- RATCHFORD, BENJAMIN ULYSSES; A.B., Davidson; A.M., Ph.D., Duke; ECONOMICS (Duke University).
- RAYMOND, MARY LOIS; B.A., Mount Holyoke College; M.A., Radcliffe College; University of Wisconsin, 1919-20; University of Madrid and University of Paris, 1921-22; FRENCH (Duke University).
- SAYLOR, JOHN HENRY; A.B., Southern Methodist University; A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- SMITH, ROBERT SIDNEY; A.B., M.A., Amherst; Ph.D., Duke; ECONOMICS (Duke University).
- WARD, CHARLES EUGENE; A.B., Baker University; A.M., Duke; Duke, 1928-31; ENGLISH (Duke University).
- ALSTON, AUGUSTA MICHAELS; A.B., Duke; DRAWING (Durham City Schools).
- HOBBS, MARCUS EDWIN; A.B., Duke; Duke, 1932-34; ASSISTANT IN CHEMISTRY (Duke University).

MASON, MARY LOCHER; Diploma in Fine Arts, Teachers College, Columbia; DRAWING (Durham City Schools).

MILLER, WILLIAM TAYLOR, JR.; A.B., Duke; Duke, 1932-34; ASSISTANT IN CHEMISTRY (Duke University).

SHANKLE, HERBERT LAZELLE; A.B., A.M., Duke; Duke, 1932-34; ASSISTANT IN CHEMISTRY (Duke University).

TWADDELL, VERA CARR; A.B., Duke; Music (Supervisor of Music, Durham County Schools).

WAITE, ALEX; A.B., University of South Carolina; Duke, 1931-32; PHYSICAL EDUCATION (Duke University).

WHITENFISH, ABE IRVING; A.B., University of Richmond; A.M., Duke; Duke, 1933-34; ASSISTANT IN CHEMISTRY (Duke University).

WILSON, LLOYD BAIN; A.B., A.M., Duke; ASSISTANT IN BOTANY (Harnett County Public Schools).

DUKE UNIVERSITY SUMMER SCHOOL

Trinity College, which in 1925 expanded into Duke University, conducted its first summer school in 1919. The growth of the school has been not only rapid but steady since that time. In 1919 there were enrolled eighty-eight students of college grade, of whom sixty-five were teachers. In the summer of 1933 there was a total of 1,832 registrations in Duke University and affiliated schools. Of these, 964 students enrolled in the first term of Duke University Summer School, and 552 the second term; 164 were enrolled in the Junaluska Summer School, Inc., at Lake Junaluska; 35 were enrolled in the Junaluska School of Religion; and 106 were enrolled in the Medical School and School of Nursing. Deducting from the total number of registrations those who registered for two terms, there were 1,527 students enrolled for either six or twelve weeks in the summer of 1933.

CALENDAR AND REGISTRATION: THREE TERMS

In 1934 for the first time the summer school operated a mid-summer term, making it possible for students to enter June 8, June 29, or July 21. This arrangement has proved to be of especial advantage to teachers in public schools that do not close until after the first of June, and to college students who desire a brief vacation before beginning their summer work.

ADMISSION

Applicants for admission must have completed a high school course. As evidence of this, a teacher's certificate of grade as high as North Carolina elementary will be accepted from teachers with two or more years of experience. Certificates and other credentials must be submitted to the Committee on the Summer School at the time of registration. Students who wish to enroll for graduate credit should submit their credits from other institutions to Dr. William H. Glasson, Dean of the Graduate School, before registration, preferably by mail.

CREDITS

Professional credits towards teachers' certificates are granted by the various state boards of education each in accordance with its own carefully planned rules. Teachers should consult the rules laid down by their State Board of Education before enrolling for certification credit. Any student, however, whose work is of such quality as to deny him credit toward a degree, fails to receive "professional" credit.

College credits are offered as follows: A course of five hours a week for six weeks counts for two semester-hours of credit, a course of seven and one-half hours a week for six weeks counts for three semester-hours of credit, and a course of ten hours a week for six weeks counts for four semester-hours of credit in Duke University. No student is allowed to take more than fifteen hours of work a week without the consent of the Director and of the instructor in whose department the student expects to do his major work.* Except in the case of elementary laboratory science, the University will not accept credit beyond six semester-hours earned in one term of six weeks toward the bachelor's degree. Graduate students are not under any circumstances permitted to enroll for more than six semester-hours in a summer school of six weeks. They forfeit graduate credit by undertaking more than six semester-hours of work, even though part of the work may carry undergraduate credit only. A student of senior standing, however, may elect as many as eight semester-hours of such elementary-skill work as drawing, public school music, and the like, that do not carry college credit, or courses primarily for freshmen and sophomores, and obtain such professional credit as his State Department of Education will allow, not to exceed the maximum eight stated.

The nature of the credit allowed for each course is indicated by the number of the course. Courses numbered 1-49 are primarily for freshmen, or freshmen and sophomores; courses numbered 50-99 are ordinarily for sophomores, or sophomores and juniors; courses numbered 100-199 are for juniors and seniors; courses numbered from 200-299 are for seniors and graduates; and courses numbered from 300 up are for graduate

* No student liable to suspension from the University under its rules regarding failure is permitted to enroll in summer school.

students only. Courses numbered from 200 up are limited in enrollment to twenty-five students.

Students registered for graduate courses in the Summer School, who desire to have their work credited toward the master's degree, should also register in the office of the Dean of the Graduate School during the first week of each summer term.

THESIS WRITING IN SUMMER SCHOOL

Since Duke University grants no master's degree except upon completion of a satisfactory thesis, every candidate for the master's degree who expects to complete his work in summer school should as soon as possible after completing his first term of residence choose a field in which he desires to write a thesis and confer with some instructor offering graduate courses in that field. The following points should be clearly in mind when arrangements are made for thesis supervision:

1. The subject of the thesis must be approved by the instructor who undertakes the supervision. The instructor's decision as to whether the topic is suitable, or the student is prepared to develop it, or the instructor prepared to supervise it, is final.

2. A student may enroll for six semester-hours of residence credit toward a thesis or for less, in one term of six weeks. If he enrolls for only three semester-hours he may enroll also for a course of three semester-hours, but he cannot enroll for a total of more than six semester-hours of credit, including residence toward his thesis. Completion of six semester-hours of residence toward his thesis does not guarantee the satisfactory completion of the thesis, which must be acceptable to the instructor supervising it and to a committee representing the Council on Graduate Instruction.

3. A student may either enroll in a specifically designated "thesis" course or may, if his preparation meets the approval of the instructor in charge, attach himself to some regularly offered course in his field of study and report periodically to the instructor offering the course.

4. A student enrolling for thesis residence credit in regular course pays the same fees as other students during the summer of residence. At the time of graduation he pays the same diploma and commencement fees as other students and thesis supervision fee of twenty-five dollars.

5. Students enrolling for thesis supervision during the summer school are expected to complete their theses largely during the summer of enrollment or some subsequent summer term. The instructor with whom they enroll is not under obligation to give active supervision during the academic year, although instructors are willing to give a reasonable amount of attention to theses practically complete.

6. Students of the academic year who do not complete theses begun prior to summer school are not accepted for summer school enrollment unless their subjects are in the field of some thesis seminar or other course offered by an instructor who recommends that such students be assigned to his supervision during the summer. Instructors who are employed for full time by the summer school are specifically requested not to carry over into the summer thesis students whose subjects are not properly a part of work such instructors are offering in the summer school.

ROOMS AND BOARD

Board and room for a term of six weeks may be secured in the University dormitories at the rate of \$47.00 per occupant with two in a room, or \$54.00 if room alone is engaged. Separate dormitories will be reserved for graduate students and for undergraduates. There is no dormitory reserved for married students, and children are not under any circumstances admitted to the dormitories. Students desiring to bring children, or married students desiring rooms, should write the Director for a list of private rooming places where suitable accommodations may be obtained. Occupants of University rooms furnish their own bedclothes, pillows, and towels. All other essentials are supplied by the University.

One or more of the men's dormitories, and one or more of the women's dormitories, will be reserved exclusively for advanced students. In all dormitories substantially the same rules and regulations obtain as during the regular academic year; but *in the graduate dormitories all radios, graphophones, and other noise-making appliances are strictly forbidden.* The West Campus will be used for the summer of 1934.

All occupants of University dormitories are advised to board in the regular dining-room of the Union, on account of the opportunity to meet at meal-time with their fellow-students, and because of the fact that the greater number of students guarantees better board for all, board being furnished at cost. The service is cafeteria plate-service. Students in the dormitories who desire to board elsewhere than in the regular dining room will pay room-rent at the rate of \$12.50 with two in a room or \$22.00 for room alone. Students rooming off the campus who desire board in the Union may obtain it for thirty-five cents per meal. There is, therefore, a saving of ten per cent on room

and a larger saving on board offered those students who board in the regular dining rooms. There is also a coffee-shop in the Union at which *a la carte* service may be obtained by those who prefer it enough to pay the higher rates. There is no room discount to those boarding in the coffee-shop, the sole purpose of the discount being to encourage volume of business in the regular dining-rooms and thereby obtain the best possible board for the large majority of students who take their meals there.

FEES

Teachers are not required to pay tuition fees. All other students are charged a tuition fee of \$8.00 for each college credit hour, or \$4.00 for each semester-hour, maximum tuition being \$24.00 for six weeks. All students, teachers included, pay a registration fee of \$17.50 per term. Students in the sciences pay the laboratory fees required in regular term work. Students who enroll for more than the normal schedule of work are charged an excess registration fee of \$5.00.

Major expenses may be estimated as follows for each term:

Registration	\$17.50
Room rent and board	47.00
	<hr/>
Total major expenses to teachers	\$64.50

To this total should be added the tuition fee of \$24.00 charged students other than teachers in the public schools, about \$7.00 for books, and probably \$3.00 for miscellaneous expenditures. All claims for exemption from tuition should be filed at the time of registration.

APPOINTMENTS BUREAU

A teachers' appointment bureau is maintained for the benefit of teachers desiring a change of position. There is no charge for this service.

RECREATION AND ENTERTAINMENT

At the time of registration every student receives a season ticket to all recreation and lecture programs. In addition to admission to special lectures, and other features of entertain-

ment provided, this ticket entitles the student to use of the tennis courts and of the swimming pool. The swimming pool is open an hour and a half daily for various groups of students. There is also an evening play-hour sponsored by the Department of Physical Education.

Mr. Anton Brees, Carillonneur of the Mountain Lake Singing Tower, Lake Wales, Florida, will give recitals on the fifty-bell carillon of the University at stated times twice a week during the summer school.

The national honor society in Education, Kappa Delta Pi, maintains a weekly forum to which all students are invited.

The athletic department of the University conducts a four-day coaching school for high school coaches in July. Students in the first term of the summer school will be able to attend a large part of the class work in this school if they desire, and students expecting to enroll in the third term may come early without additional expense, except for board and nominal room charge, and complete the entire course offered by Coach Wallace Wade and his staff in football, basketball, baseball, and track.

SUMMER SCHOOL OPPORTUNITIES FOR UNDERGRADUATES

Since the summer school is an organic part of the University, students may enter in the summer instead of waiting until the autumn semester. Beginning students who elect to enter in the summer should make application and send their entrance credits just as if they intended to enter in September.

AFFILIATED SUMMER SCHOOLS

The Junaluska Summer School, Inc., Lake Junaluska, N. C., is an independent school affiliated with Duke University. It has for the summer of 1934 been combined with Junaluska School of Religion and will offer undergraduate courses in field botany, elementary education, English, and religion. The only graduate work offered toward the A.M. degree will be in field botany, but the Junaluska School of Religion offers credits toward the B.D. degree.

**SUMMER SCHOOL OPPORTUNITIES FOR
GRADUATE STUDENTS**

More than one-half of all the students in the summer school are graduates of standard colleges, and a majority of the graduate students are supervisory officials and teachers in the public schools. Departments of instruction, therefore, offering courses related to the common secondary school curriculum have built up regular sequences of graduate work continuing through a series of summer schools in which graduate students may enroll with reasonable assurance that sufficient work will be offered to enable a properly qualified student to complete Master's requirements easily within the period permitted by the University.

COURSES OF INSTRUCTION

(This is a condensed description of courses. For full description, see Bulletin of the Summer School.)

EXPLANATIONS AND ABBREVIATIONS

Classes meet daily five times per week for six weeks unless otherwise indicated. Classes that meet for fifty-minute periods are indicated as carrying two semester-hours of credit. Classes meeting eighty-minute periods daily count for three semester-hours except where credits are stated otherwise.

Courses are arranged alphabetically by departments. The course numbers are the same numbers used in describing courses in the regular term, with the letter "S" preceding; for example, Botany S1 would correspond to Botany 1 of the regular term.

N.B.—Different State Departments of Education grant professional credit for various courses in accordance with their own carefully defined rules. Every student should inquire carefully at or before registration as to what professional credit is allowed for each course in his state.

THESIS COURSES FOR MASTER'S DEGREE CANDIDATES

It is important for every candidate for a Master's degree to plan for his thesis as soon as possible after he completes his first summer school. Special attention is called to Education S309, S326, S336, and S393, Economics and Government S308, English S312X and S319, French S350, History S314 and S315, and Latin S300X. A properly qualified student, however, may with the approval of the instructor and the head of his department attach himself to any graduate course for thesis supervision.

BIOLOGY

See courses listed under Botany and Zoölogy.

BOTANY

S1. General Botany.—4 s.h.

MR. KRAMER AND MR. L. B. WILSON

S2. General Botany.—4 s.h.

MR. KRAMER AND MR. L. B. WILSON

CHEMISTRY

S1-S2. General Inorganic Chemistry.—8 s.h.

MR. R. N. WILSON AND MISS BROWN

S61. Qualitative Analysis.—4 s.h.

MR. SAYLOR AND MR. WHITENFISH

S70. Quantitative Analysis.—4 s.h.

MR. HILL AND MR. SHANKLE

S151. Organic Chemistry.—4 s.h.

MR. HAUSER AND MR. MILLER

S152. Organic Chemistry.—Course S151 prerequisite. 4 s.h.

MR. HAUSER AND MR. HOBBS

ECONOMICS AND POLITICAL SCIENCE

S51. Principles of Economics.—3 s.h.

MR. RATCHFORD

(This course will not count as part of the minimum economics requirements for graduation until the equivalent of S52 has been completed. It will, however, count as elective credit.)

S52. Principles of Economics.—3 s.h.

MR. SMITH

(This course will not count as part of the minimum economics requirements for graduation until the equivalent of S51 has been completed. It will, however, count as elective credit.)

S57-58. First-Year Accounting.—6 s.h.

MR. BLACK

S101. American Government and Politics.—3 s.h.

MR. N. P. MITCHELL

S115. Economic Geography: Teachers' Course.—*This course is not open to students who have received credit for Economics A.* 3 s.h.

MR. LONDON

S116. Economic Geography and Industrial Organization.—Prerequisite, course S115 or Economics A. 3 s.h.

MR. KEECH

S119. Economic Geography of North America.—(Not open to students who have had Economics A since 1930.) 3 s.h.

MR. LONDON

S203. History of American Banking.—3 s.h.

MR. MURCHISON

S209. State and Local Government in the United States.—3 s.h.

MR. R. S. RANKIN

S213. Advanced Economic Theory.—3 s.h.

MR. SPENGLER

S219. Economics of Recovery.—3 s.h.

MR. SPENGLER

S222. International Organization and Administration.—3 s.h.

MR. R. R. WILSON

S235. Monetary Theory and Problems.—Course S203 or elementary course in money and banking prerequisite. 3 s.h.

MR. MURCHISON

S264. Railroad Regulation in the United States.—3 s.h.

MR. R. R. WILSON

S308. Seminar in State Government.—Open for enrollment only to students who have had or are carrying Course S209.

MR. R. S. RANKIN

EDUCATION

Graduate courses in the department are grouped under the following subdivisions: Public School Administration, Secondary Education, Elementary School Education, and Educational Psychology. Every candidate for a Master's degree in the department should elect at least twelve semester-hours in the one of these fields in which he intends to write his thesis and the remainder of his work, including the six semester-hours in his minor, with the approval of the proper division adviser. Dr. Proctor is adviser to students in School Administration and in Secondary Education. Dr. Carr, when in residence, is adviser in Elementary Education. Dr. Brownell is adviser in Educational Psychology and, in the absence of Dr. Carr, in Elementary Education.

PUBLIC SCHOOL ADMINISTRATION

(Master's candidates in this division should elect minor work in Economics and Political Science.)

S233A. Pupil Personnel Problems and Procedure.—3 s.h.

MR. SCATES

[Not open for enrollment to students who have had course S233.]

S234. Secondary-School Organization and Administration.—(Old numbers, S16 and S213.) 3 s.h.

MR. COOKE

S253. Legal Phases of School Administration.—Open for enrollment of students who present six semester-hours of graduate work in school administration. 3 s.h.

MR. HOLTON

[Not offered unless as many as twelve students enroll.]

S283. Organization and Administration of the Public School Curriculum.—3 s.h.

MR. MARBERRY

- S293. Problems of the Teaching Personnel.—3 s.h.
MR. COOKE
- S323. Public School Finance.—3 s.h.
MR. PROCTOR
- S333. Problems of High School Supervision.—3 s.h.
MR. COOKE
- S343. State and County School Administration.—3 s.h.
MR. PROCTOR
- S363. City School Organization and Administration.—3 s.h.
MR. MARBERRY
- S363A. City School Organization and Administration.—A special section of S363, not open for enrollment of students who have completed that course. 3 s.h.
MR. ENGELHARDT
- S364A. Problems in Public School Administration.—3 s.h.
MR. ENGELHARDT
- S373. Business Problems of School Administration.—3 s.h.
MR. SCATES
- S393. Seminar: Public School Administration.—Primarily for students desiring to write Master's theses. 3 s.h.
MR. PROCTOR AND MR. COOKE
- S393X. Thesis Seminar.—*Residence credit only.*
MR. PROCTOR AND MR. COOKE

EDUCATIONAL PSYCHOLOGY

(Master's candidates in this division should elect some course-work in either Elementary or Secondary Education and should choose Psychology as their minor.)

- S208. Mental Tests and Applications.—3 s.h.
MR. EASLEY
- S209. Statistical Methods in Education.—3 s.h.
MR. SCATES
- S218. Child Psychology.—3 s.h.
MR. BROWNELL
- S219. Experimental Education.—3 s.h.
MR. DOUGLAS
- S227. The Psychology of Learning: Problems.—3 s.h.
MR. EASLEY

S228. The Psychology of Learning, Theoretical and Experimental.—Prerequisite, 227 or its equivalent. **3 s.h.**

MR. EASLEY

[Not offered unless as many as twelve students enroll.]

S237. Investigations in Reading.—**3 s.h.**

MR. DOUGLAS

S247. Investigations in Arithmetic.—**3 s.h.**

MR. BROWNELL

S258. Educational Measurements.—**3 s.h.**

MR. SCATES

S309. Thesis Seminar in Experimental Education and Educational Psychology.—**3 s.h.**

MR. BROWNELL

S318. Investigations of Study Problems.—**3 s.h.**

MR. DOUGLAS

S348. Research in Arithmetic.—**3 s.h.**

MR. BROWNELL

SECONDARY EDUCATION

(Master's candidates in this division should consider also courses listed under Public School Administration and Educational Psychology, and are advised to elect minor work in their teaching subject or in Psychology or Sociology.)

S200. Introduction to the Philosophy of Education.—**3 s.h.**

MR. SCHUTTE

S205. Curriculum Problems in Secondary Education.—**3 s.h.**

MR. LEONARD

S206. Social Principles of Secondary Education.—**3 s.h.**

MR. STOWE

S215. Educational and Vocational Guidance.—Prerequisite, courses in sociology or educational sociology. **3 s.h.**

MR. CHILDS

S216. Psychological Principles of Secondary Education.—**3 s.h.**

MR. CHILDS

S226. Teaching the Social Studies.—**3 s.h.**

MR. STOWE

S234. Secondary-School Organization and Administration.—**3 s.h.**

MR. COOKE

S266. The Teaching of High-School French.—**3 s.h.**

MR. WEBB

- S283. Organization and Administration of the Public School Curriculum.—
3 s.h. MR. MARBERRY
- S293. Problems of the Teaching Personnel.—3 s.h. MR. COOKE
- S320. Problems of Secondary and Higher Education.—3 s.h. MR. STOWE
- S326. Investigations in the Teaching of Social Studies.—3 s.h. MR. STOWE
- S333. Problems of High School Supervision.—3 s.h. MR. COOKE
- S336. Investigations in the Teaching of Secondary School English.—
3 s.h. MR. LEONARD

ELEMENTARY EDUCATION

(Master's candidates in this division should consider also courses listed under Educational Psychology and are advised to elect their minor work in Psychology or Sociology.)

- S200. Introduction to the Philosophy of Education.—3 s.h. MR. SCHUTTE
- S207. Technique of Teaching.—3 s.h. MR. CARR
- S212. Psychology of the Elementary School Subjects.—3 s.h. MR. DOUGLAS
- S232. Elementary School Supervision.—3 s.h. MR. CARR
- S233A. Pupil Personnel Problems and Procedure.—3 s.h. MR. SCATES
- S237. Investigations in Reading.—3 s.h. MR. DOUGLAS
- S242. Curriculum Problems in the Elementary School.—3 s.h. MR. HILLMAN
- S247. Investigations in Arithmetic.—3 s.h. MR. BROWNELL
- S283. Organization and Administration of the Public School Curriculum.—
3 s.h. MR. MARBERRY
- S293. Problems of the Teaching Personnel.—3 s.h. MR. COOKE

UNDERGRADUATE COURSES

(By permission undergraduate seniors may enter graduate courses numbered below 300.)

S54. Introductory Course in the History of Education.—3 s.h.

MR. GODARD

[Not offered any term unless as many as twelve students enroll.]

S58. The Learning Process.—3 s.h.

MR. AGNEW

[Not offered any term unless as many as twelve students enroll.]

S61. Introduction to Teaching.—3 s.h.

MR. SCHUTTE

S68. Mental Hygiene of the School Child.—3 s.h.

MR. PULLIAS

[Not offered any term unless as many as twelve students enroll.]

S83. Current Trends in American Public-School Organization.—3 s.h.

MR. CURTIS

S103. School Organization and Administration for the Classroom Teacher.—3 s.h.

MR. TROTH

S106. Principles of Secondary Education.—3 s.h.

MR. TROTH

S111. Primary Methods in Language and Reading.—(Old number S102.)
2 s.h.

MISS MICHAELS

S116. Methods of Teaching in Junior and Senior High School.—3 s.h.

MR. CHILDS

S118. Educational Implications of Genetic Psychology.—3 s.h.

MR. BROWNELL

[Not offered if greater demand for S218.]

S119. Analysis of Study and Study Habits, in the High School Subjects.—3 s.h.

MR. CURTIS

S121. Grammar Grade Methods in Reading and Language.—2 s.h.

MR. McDONALD

S122. The Teaching of Primary Numbers.—2 s.h.

MR. McDONALD

S127. The Teaching of Arithmetic in the Grammar Grades.—2 s.h.

MR. McDONALD

S136. Teaching High School English.—3 s.h.

MR. A. C. JORDAN

- S142. Children's Literature: Primary Section.—2 s.h.
MISS MICHAELS
- S146. The Teaching of Mathematics.—3 s.h.
MR. W. W. RANKIN
- S147. Children's Literature: Grammar Grade Section.—2 s.h.
MISS MICHAELS
- S152. Materials and Methods in Nature Study.—3 s.h.
MISS ADDOMS
- S158. Educational Measurements.—3 s.h.
MR. SCATES
[Not offered unless as many as twelve students enroll.]
- S162. History Materials for Primary Grades.—3 s.h.
MRS. PORTER
- S176. The Teaching of High School Science.—3 s.h.
MR. CHILDS
- S192. Materials and Methods in the Primary Grades.—3 s.h.
MISS ENGLISH
[Not offered second term unless as many as twelve students enroll.]
- S197. Materials and Methods in the Grammar Grades.—3 s.h.
MISS ENGLISH
[Not offered second term unless as many as twelve students enroll.]
- A. Public School Drawing.—*Three points professional credit only.*
MRS. ALSTON (*first term*)
MRS. MASON (*third term*)
- B. Industrial Art in the Public School.—*Three points professional credit only.*
MRS. ALSTON
- C. Public School Music.—*Three points professional credit only.*
MRS. TWADDELL

PHYSICAL AND HEALTH EDUCATION

- S112. Personal and School Hygiene.—3 s.h.
MISS GARDINER
- S132. Materials and Methods in Health Education.—3 s.h.
MRS. MCGEE
- S187. School Programs of Physical Education.—3 s.h.
MR. WAITE

ENGINEERING

- C.E. S10. Plane Surveying.—3 s.h.
MR. W. H. HALL AND MR. BIRD

ENGLISH

(Master's candidates in English are now required to complete at least three semester-hours in Chaucer or certain other designated courses. English S203 listed below is the only course meeting this specific requirement that is offered this summer.)

S1. English Composition.—3 s.h.

MR. WARD

S2. English Poetry.—3 s.h.

MR. WARD

S51. English Composition.—(Open only to those who have credit for S1.) **3 s.h.**

MR. A. C. JORDAN

S61. Historical Background of English Literature, Prior to 1700.—3 s.h.

MR. PATTON

S63. English Poetry, 1832-1900.—3 s.h.

MR. F. K. MITCHELL

S64. English Poetry, 1832-1900.—3 s.h.

MR. F. K. MITCHELL

[Students in S64 are requested not to schedule classes for Period C.]

S137. American Literature.—3 s.h.

MR. HURLEY

S138. American Literature.—3 s.h.

MR. HURLEY

S142. The Teaching of High School English.—3 s.h.

MR. A. C. JORDAN

S151. Public Speaking.—3 s.h.

MR. HERRING

S170. The Age of Johnson.—3 s.h.

MR. PATTON

S203. Chaucer.—Open to students with no previous training in Middle English. **3 s.h.**

MR. H. C. DAVIS

S204. Chaucer.—A continuation of course S203. **3 s.h.**

MR. H. C. DAVIS

S211A. English Prose from Lyly to Dryden.—3 s.h.

MR. HARRISON

S212A. English Verse between Spenser and Milton.—3 s.h.

MR. HARRISON

- S218. Milton.—3 s.h. MR. GILBERT
- S219. English Literature, 1600 to 1744.—3 s.h. MR. JACKSON
- S225. Special Studies in Victorian Literature: Tennyson.—3 s.h. MR. GREENE
- S227. Literary Criticism.—3 s.h. MR. GILBERT
- S259. Studies in American Poetry Prior to 1870.—3 s.h. MR. HUBBELL
- S260. Studies in American Poetry Since 1870.—3 s.h. MR. BRADLEY
- S312. Special Studies in American Authors: Whitman.—3 s.h. MR. BRADLEY
- S312X. Thesis Seminar in American Literature.—*Residence credit only.* MR. HUBBELL
- S319. Seminar in English Literature, 1660 to 1744.—Open by permission of the instructor to students who are enrolled in S219 or have had other qualifying work. 3 s.h. MR. JACKSON

FRENCH

- S3. French Prose.—Prerequisites, French 1 and 2 or two years of high school French. 3 s.h. MISS RAYMOND
- S4. French Prose.—Prerequisite, French S3 or equivalent. 3 s.h. MISS RAYMOND
- S51. Introduction to French Literature.—Prerequisite, French S3 and S4 or equivalent. 3 s.h. MR. BRIDGERS
- S52. Introduction to French Literature.—3 s.h. MR. BRIDGERS
- S214. Nineteenth Century French Drama.—3 s.h. MR. B. R. JORDAN
- S218. The Teaching of French.—3 s.h. MR. WEBB
- S230. Seminar: Diderot and the Encyclopédistes.—3 s.h. MR. COWPER
- S240. Survey of French Civilization.—3 s.h. MR. WEBB

S350. Seminar in Nineteenth Century French Criticism.—3 s.h.

MR. B. R. JORDAN

GERMAN

S1. Elementary German.—3 s.h.

MR. MAXWELL

S2. Elementary German.—3 s.h.

MR. MAXWELL

S3. Intermediate German.—3 s.h.

MR. F. E. WILSON

S4. Intermediate German.—3 s.h.

MR. F. E. WILSON

S109. German Prose Fiction.—3 s.h.

MR. KRUMMEL

S110. German Prose Fiction.—3 s.h.

MR. KRUMMEL

GOVERNMENT

See courses listed under Economics and Political Science.

HISTORY

S91. American History to 1828.—3 s.h.

MR. MABRY

S92. American History, 1828-1865.—3 s.h.

MR. MABRY

S101. Development of Western European Civilization to About 800 A.D.—3 s.h.

MR. MANCHESTER

S102. Development of Western European Civilization from 800 to 1500 A.D.—3 s.h.

MR. MANCHESTER

S205. The Formation of the English Constitution.—3 s.h.

MR. CRAVEN

S207. British American Colonial History.—3 s.h.

MR. LANNING

S209. American Constitutional History, 1783-1820.—3 s.h.

MR. NICHOLS

[Not offered unless as many as twenty students enroll. Either 209 or 310 will be offered.]

- S210. American Constitutional History, 1850-1877.—3 s.h. MR. NICHOLS
- S217. Europe, 1870-1914.—3 s.h. MR. HALE
- S226. The South in Federal Politics, 1789-1860.—3 s.h. MR. BONHAM
- S228. The Growth of the Modern British Empire.—3 s.h. MR. CRAVEN
- S231. The Hispanic Colonies of the New World.—3 s.h. MR. LANNING
- S243. Tudor and Stuart England.—3 s.h. MR. HALE
- S310. Seminar in American Constitutional History, 1850-1877.—3 s.h. MR. NICHOLS
- [Not offered unless as many as eight students enroll.]
- S314-315. Seminar in Southern History.—3 or 6 s.h. MR. BOYD
- S325. Seminar in the History of the Old South.—3 s.h. MR. BONHAM

LATIN

- S216. Historical Syntax of Latin.—3 s.h. MR. ANDERSON
- S222. Roman Comedy: Plautus.— MR. ANDERSON
- S300X. Thesis Course.—*Three hours of residence credit only.* MR. ROSBOROUGH

(Open only by permission of the instructor to those students who have completed at least twelve semester-hours graduate work in Latin and have started theses. Enrollment limited to ten students.)

MATHEMATICS

For admission to candidacy for the Master's degree in Mathematics students must have completed courses S55 and S100 and at least six semester-hours of courses numbered above 200. After admission to candidacy the student is required to meet the same requirements for the Master's degree as in other departments. All of the graduate courses listed for the summer of 1934 have S55 as a prerequisite, and all require S100 except S250 and S259.

- S3. Elementary Mathematical Analysis.—3 s.h. MR. GREENWOOD
- [Not offered unless as many as twelve students enroll.]

- S4. Elementary Mathematical Analysis.—3 s.h.** MR. GREENWOOD
[Not offered unless as many as twelve students enroll.]
- S50. Plane and Solid Analytic Geometry.—3 s.h.** MR. PATTERSON
[Not offered unless as many as ten students enroll.]
- S55. Differential Calculus.—3 s.h.** MR. PATTERSON
[Not offered unless as many as ten students enroll.]
- S100. Integral Calculus.—** MR. PATTERSON
[Not offered unless as many as ten students enroll. Not more than two courses from S50, S55, and S100 will be offered.]
- S194. The Teaching of Mathematics.—3 s.h.** MR. W. W. RANKIN
- S201. History of Mathematics.—3 s.h.** MR. W. W. RANKIN
- S231. Differential Equations.—3 s.h.** MR. ELLIOTT
- S250. Modern Geometry.—3 s.h.** MR. MILES
- S259. Analytic Geometry of Space.—3 s.h.** MISS DALE
- S275. Probability.—3 s.h.** MR. MILES
- S280. Fourier's Series and Spherical Harmonics.—3 s.h.** MISS DALE
- S330. Theory of Functions of a Complex Variable.—3 s.h.** MR. CARLITZ
- S300X. Thesis Seminar.—3 s.h.** MR. CARLITZ
- S340. Integral Equations.—3 s.h.** MR. ELLIOTT
- PSYCHOLOGY**
- S209. Advanced Laboratory Psychology.—3 s.h.** MR. ZENER
- S215. Child Psychology.—3 s.h.** MR. ADAMS
- S216. Comparative Psychology.—3 s.h.** MR. ADAMS

S226. Contemporary Schools of Psychology.—3 s.h.

MR. ZENER

RELIGION**S51. The English Bible.—3 s.h.**

MR. SPENCE

S52. The English Bible.—3 s.h.

MR. ORMOND

S282. Living Religions of the World.—3 s.h.

MR. CANNON

(This course does not duplicate S282 as offered in the summer of 1933.)

S283. Expansion of Christianity.—3 s.h.

MR. CANNON

SOCIOLOGY**S206. Criminology.—3 s.h.**

MR. JENSEN

S277. Emigration and Immigration.—3 s.h.

MR. JENSEN

SPANISH**S1. Elementary Spanish.—3 s.h.**

MR. G. DAVIS

S2. Elementary Spanish.—3 s.h.

MR. G. DAVIS

S67. Spanish-American Literature.—3 s.h.

MR. LUNDEBERG

(Prerequisite, two years of college Spanish or equivalent. Students who have had courses 65 and 66 as regularly offered will be permitted to enroll in S67 and S68 for additional credit.)

S68. Spanish-American Literature.—3 s.h.

MR. LUNDEBERG

(Prerequisite, same as Spanish S67).

ZOOLOGY

Students who complete Masters' theses in Zoölogy after June 1, 1934, are expected to have credit for at least one seminar such as course S355 listed below.

S1. General Zoölogy.—4 s.h.

MR. CUNNINGHAM AND MR. GRAY

S2. General Zoölogy.—4 s.h.

MR. GRAY AND MR. HOPKINS

S220. Special Problems in Physiology.—2.6 s.h.

MR. F. G. HALL

S274. Comparative Invertebrate Zoölogy.—3 s.h.

MR. HOPKINS

S292. General Embryology.—Prerequisite, one year of zoölogy. 3 s.h.

MR. CUNNINGHAM

S321. General Physiology.—3 s.h.

MR. F. G. HALL

(Enrollment limited to fourteen students.)

S355. Seminar.—1 s.h.

MR. HALL

JUNALUSKA SUMMER SCHOOL, Inc.

(AFFILIATED WITH DUKE UNIVERSITY)

and

JUNALUSKA SCHOOL OF RELIGION
LAKE JUNALUSKA, N. C.

PAUL NEFF GARBER, A.B., A.M., Ph.D.,
DIRECTOR OF THE SUMMER SCHOOL

INSTRUCTORS

BRANSCOMB, BENNETT HARVIE; A.B., Birmingham-Southern; B.A., M.A. (Oxon.); Ph.D., Columbia University; RELIGION (Duke University).

CLARK, ELMER TALMAGE; A.B., Birmingham-Southern; M.A., George Peabody College; B.D., S.T.D., Temple University; LL.D., Southern College; RELIGION (Assistant Secretary, Board of Missions, Methodist Episcopal Church, South).

GARBER, PAUL NEFF; A.B., Bridgewater; A.M., Ph.D., University of Pennsylvania; RELIGION (Duke University).

McDONALD, RALPH WALDO; A.B., Hendrix; M.Ed., Ph.D., Duke; EDUCATION (Salem College).

McEWEN, NOBLE RALPH; A.B., Birmingham-Southern; A.M., Duke; Duke, 1930-32; EDUCATION (Salem College).

MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston University; RELIGION (Duke University).

OOSTING, HENRY JOHN; A.B., Hope College; M.S., Michigan State; Ph.D., Minnesota University; FIELD BOTANY (Duke University).

SMITH, HILRIE SHELTON; A.B., Elon; A.M., B.D., Ph.D., Yale; RELIGION (Duke University).

WARREN, CLARENCE SHAW; A.B., Duke; EDUCATION (Superintendent of Lenoir City Schools).

WIGGINS, ROBERT LEMUEL; A.B., A.M., Vanderbilt; Ph.D., University of Virginia; ENGLISH (Wesleyan College).

ANDERSON, LEWIS EDWARD; B.S., Mississippi State; A.M., Duke; ASSISTANT IN FIELD BOTANY (University of Pennsylvania).

BUSINESS MANAGER

JAMES R. BOYD,
Waynesville, North Carolina.

REGISTRATION

All applicants for admission must have completed a high school course. As evidence of this, a teacher's certificate of grade as high as North Carolina State elementary will be accepted from teachers with two or more years of experience. Certificates of high school graduation and other credentials should be submitted to the Director at the time of registration.

JUNALUSKA SCHOOL OF RELIGION

The seventh session of the Junaluska School of Religion, which is conducted under the joint management of Duke University and the Board of Christian Education with the coöperation of the Board of Missions and other boards of the Methodist Episcopal Church, South, was conducted as the Department of Religion in the Junaluska Summer School for the summer of 1934, its opening and closing dates being the same as for the other departments. In addition to the undergraduate credits offered by the other departments, Junaluska School of Religion offers credits counting toward the B.D. degree. The work in Religion is designed for pastors, church workers, missionaries, and students who desire to fit themselves the better for their work or to obtain credits looking toward the securing of university degrees.

COURSES OFFERED

Professional courses are offered for teachers in elementary school, teachers of primary grades and of grammar grades, and teachers of high school subjects, for freshman and sophomore students in colleges and for students desiring somewhat more advanced work in the field of religion.

For qualified college students, instruction will be offered in botany, education, English, and religion. Credit is allowed toward the A.B. degree at Duke University for these courses, credit toward the A.M. degree for the course in field botany,

and credit toward the B.D. degree for the advanced courses in religion.

ROOM AND BOARD

The hotels and lodging places on the Junaluska Assembly Grounds at Lake Junaluska have guaranteed summer school students board and room at the special rate of \$7.50 per week, with bed-linen furnished. Room and board may be obtained by a limited number of applicants in the Mission Building, the summer school headquarters, at a slightly higher rate. Further information relative to board and room may be obtained by addressing J. R. Boyd, Business Manager, Waynesville, North Carolina, or James Atkins, Jr., The Junaluska Assembly, Lake Junaluska, N. C.

FEES AND EXPENSES

Tuition charge for college students other than teachers is \$10.00. Teachers are exempt from tuition, as are also ministerial students who register in the Junaluska School of Religion. Expenses may therefore be estimated by teachers and School of Religion students as follows:

Registration	\$20.00
Room and Board	45.00
Library and Recreation Fee	2.00
	\$67.00

To this should be added about \$5.00 for books and probably \$5.00 for miscellaneous expenses, besides the tuition charge for students other than teachers. Since Haywood County contributes toward the registration fees of its teachers, Haywood County teachers pay only six dollars of the total registration fee.

FURNISHED COTTAGES

There are available for rent during the summer season several desirable private cottages within a few minutes walk of the summer school.

COURSES OF INSTRUCTION

(*Note.* All courses carry three semester-hours' credit unless otherwise specified.)

BOTANY

S225. Field Botany.—*Credit, 4 or 6 semester-hours for A.B. or A.M. degree.*

MR. OOSTING AND MR. ANDERSON

S52. Field Botany.—Identical with Education S52. MR. ANDERSON

EDUCATION

S10. General Course in Elementary Method.—2 s.h.

MR. WARREN

S52. Materials and Methods in Nature Study.—3 s.h.

MR. ANDERSON

S111. Primary Methods in Language and Reading.— [Old number S102.]
2 s.h.

MR. McDONALD AND MR. MCEWEN

S121. Grammar Grade Methods in Reading and Language.—2 s.h.

MR. McDONALD AND MR. MCEWEN

S122. The Teaching of Primary Numbers.—A special section of S127 for primary teachers. 2 s.h.

MR. McDONALD AND MR. MCEWEN

S127. The Teaching of Arithmetic in Grammar Grades.—2 s.h.

MR. WARREN

S147. Children's Literature: Grammar Grade Section.—2 s.h.

MR. WARREN

See also Religion S269, Character Education and the State, listed below.

ENGLISH

S63. English Poetry, 1832-1900.—

MR. WIGGINS

S64. English Poetry, 1832-1900.—

MR. WIGGINS

RELIGION

FOR SENIORS AND GRADUATES

S218A. The Religious Ideas of the Apostle Paul.—

MR. BRANSCOMB

S211A. The Life and Teachings of Jesus.—

MR. BRANSCOMB

S235. Great Men of the Christian Church.—

MR. GARBER

S242. Sermon Construction.—

MR. MYERS

S269. Character Education and the State.—

MR. SMITH

FOR UNDERGRADUATES ONLY

S51. The History of the Hebrew People.—

MR. MYERS

S181. Modern Christian World Problems.—

MR. CLARK

DUKE UNIVERSITY

DEGREES AND HONORS CONFERRED
(1933)

ROLL OF STUDENTS
(1933-1934) •

TRINITY COLLEGE

THE WOMAN'S COLLEGE

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE

THE SCHOOL OF NURSING

THE SCHOOL OF RELIGION

DEGREES AND HONORS CONFERRED (1933)

A.B. DEGREE

Adams, Edna Lee	Cotton, Worth Bagley
Allen, Sally Anderson	Crenshaw, Claire Tappaan
Alley, Robert Cline	Cullen, Milton Leonard
Alligood, LeRoy Ralph	Curtis, Grace Elizabeth
Almy, Donald Comstock	Cutchin, Annie Lee
Andrews, William Korber	Dale, William Pratt
Atkinson, Louise Theresa	Daniel, John Howard
Bailey, Ruth Eldora	Danner, James Harvey, Jr.
Barnett, Frank Eugene	Darlson, Andreas
Beasley, Mary Cora	Darwin, John Volney
Beaven, Eleanor Rogers	Davis, Vivian Vassar
Beltz, Marvin	Dawson, Helen Marie
Berry, John Chester	Deichmann, Donald Edward
Berry, Joseph Andrew, Jr.	Dein, Harry Leonard
Betz, George Max	Douglas, Anna Gertrude
Black, William Watson	Doyle, Clement James
Boesch, Betty	Draughon, Lucile Byrd
Boyle, Milon Leslie	Dudley, Robert Allen, Jr.
Bradshaw, William Dennis	Duttera, Maurice Julian
Bradsher, Charles Kilgo	Eaker, William Franklin
Branscomb, Lewis Capers, Jr.	Eaton, Dorothy
Breedlove, Evelyn	Ebbs, Lois Sprinkle
Britt, Eula Blanche	Edgerton, Griffin Gabriel
Buchanan, Grace Evelyn	Edwards, Sidney Martin
Bulluck, Martha Elizabeth	*Eigner, Sidney
Burwell, Alice Littlepage	Elgar, Grace
Caison, Cicero Hillery	Ellis, Eulis E.
Card, Helen Kendrick	Ellis, Herbert Lee
Carpenter, Thomas Edgar, Jr.	Ellis, Mary Juanita
Casey, Dorothy	Ellis, Norman Ray
Chalker, Robert Phelps	Enkema, Robert R.
Clark, James Bridgers	*Ervin, Julia Ethel
Clark, Louis James	Ewell, George Watkins
Clarke, David Sterling	Fanton, Helen Mae
Cochrane, Archibald Montgomery	Fields, Riley Clinton
Cockman, Hazel	Fischer, Albert Edwards, Jr.
Coffman, Rawlins	Fletcher, Geraldine Meredith
Cole, Clarence Alfred	Flippo, Franklin Carter
Cook, Frederick Mason, Jr.	Floyd, Mabel Maud
*Coombs, Raymond Frank	Flynn, Charlotte Elizabeth
Cornett, Elizabeth Amelia	Forlines, Ruth Rebecca
Corpening, Mason Reece	Foster, Anne Lois

* Degree conferred *in absentia*.

Fulford, Paul E.	Jaffe, David
Fulmer, Henry Philpot	Jeffrey, Winona
Fulton, Sarah Garland	Johnson, Ida Margarette
Futrell, Ashley Brown	Kasper, Carl James
Gainey, Lucille Buchanan	Keefer, Charles Milton, Jr.
Gallia, Joseph, Jr.	Keiser, Richard Austin
Gantt, Stough Bryson	Kellam, Edwin Clay
*Garand, Eugene Armand	Kesler, Archie Dean
Garber, Don Martin	King, Margaret Henry
Garrett, John Joseph, Jr.	Knott, Lawson Beasley, Jr.
Gartelmann, William Henry	Koenigsberg, Max
Gibbons, Margaret Brevard	Kolbe, Henry Eugene
Gibson, Fillmore Sloan	Kuykendall, Donald Austin
Glasson, Marjorie	*LaFevers, Horatio Luster
Gordon, William Richardson	Levin, Jacob
Green, James Ferrell	Lewis, Allen Rannells
Green, Virginia Suiter	*Lewis, Fred Ted
Griffin, Margaret Ann	Lewis, Herbert Lee
Hamlin, Parker Redman	*Leyenberger, Edna Clare
Hammack, Eugenia	Long, John Frederick
Harris, Margaret Lee	Lucas, Edith Craft
Hart, Gus	Lundgren, Carl Raymond
Haskell, Richard Byron	Lyerly, Arnold Alexander
Hausser, Robert Edward	McCrary, Virginia Rae
Hayes, C. Marvin	McDowell, William David
Hayes, Frederick Legro, Jr	McEwen, Virginia Moale
Haynes, John Eugene	McGhee, Mary Frances
Henderson, Alfred Faxon	McGlone, Loraine
Henderson, Paul Carman	McKenzie, James Reginald
Herrington, Marvin Swindell	McLean, Alexander
Hickman, Harry Stuart	Mangus, Cary Fred
Hicks, William Bozeman	Miller, Thomas J., Jr.
Hinds, Willie Carlisle	Minter, John DeLabar
Hix, Wilk Wallace	Mock, Martha Jeannette
Hoffman, William Edward	Moore, Frank Richardson
Hoggard, Richard Norfleet	Moore, John Meredith
Hooker, Louisa Borden	Moseley, Vince
Hoover, W. Henry	Moyler, Helen Calvert
Horne, Oliver Wendell	Myers, Elbert Jewell
Horton, Sue Editha	Myers, John Albert
Horton, Emmie Hearne	Nance, Marion Smith
Howie, Martha	Nelms, Margaret Jane
Huber, Frederic Brewer	Newsom, Dorothy
Huss, Hoskie Otho	Newton, Lillian Reid
Ingle, Rivera Carman	Nichols, Hazel A.
Ingles, Angelyn Harvey	Nicholson, Walter Lee
Jackson, Beulah Samples	Norman, John Joseph

* Degree conferred *in absentia*.

- Oakley, Gretha Blan
 O'Keef, Fannie Corbett
 Orr, George Wells
 Overton, Rena Mae Smithwick
 Parrish, Albert Archer
 Parsons, Margaret Elinor
 Patterson, Carmen
 Patterson, Cora Lillian
 Perkins, Lila Cross
 Perry, Julia Anne
 Phillips, Helen Lorraine
 Phillips, James Henry
 Phillips, Margaret Jessamine
 *Physioc, Willis Johnson
 Plyler, Epie Duncan
 Poovey, Maybelle
 Powe, Ellebe, Jr.
 Power, Gordon Gilbert
 *Pratt, Francis Marion
 Pritchett, George Marshall
 Purvis, Bennie Howell
 Rafner, Harold Singer
 Ragan, Virginia
 Ratcliffe, Laura Virginia
 Reddish, Paul Sigman
 Ricks, Robert Henry
 Roberson, Nancy Elizabeth
 *Robinson, Isadore
 Robinson, Nola Tate
 Rodgers, Mary Eleanor
 Rohrbaugh, Ralph Norman
 Roxby, Bruce Steele
 Royall, Margaret Louise
 Royall, Rebecca Carroll
 Rush, Robert H.
 Ryon, Thomas Harvey
 Sadler, George Marion, Jr.
 Sanner, Harry Cleveland
 Saxe, Louis John
 Schaidt, Sara Ann
 Schein, Louis Leon
 Seiler, Hawley Howard
 Sellars, Elizabeth
 Sellars, Nellie Louise
 Shankle, Martha Catherine
 Short, Charles McCoy, Jr.
 Shugart, Dorothy Holton
 Skinner, Joseph Langdon
 Sloop, Emma Beattie
 Smathers, Lois Margaret
 Smith, Elsie
 Smith, Frank Ferrell
 Smith, Mary Frances
 Smith, Ora Lee
 Snow, Guy Lafayette
 Snyder, Ruth Woodward
 Spence, Curtis Taylor
 Starling Richard James
 *Starnes, Ralph Odell
 States, Thomas Williams
 Steely, Mercedes
 Stevick, Charles Paul
 Stiles, Eulalia
 Stites, Mildred Gant
 Strother, Lucy Lee
 Sykes, Clara Elizabeth
 Tatum, William Gilchrist, Jr.
 Taylor, Hazel Anne
 Taylor, Ralph Henderson
 Terrell, Sara Marie
 *Thomas, Edward Galloway
 Thrift, Susie Webb
 Todd, Edward
 Troxler, Therman Joseph
 Tuckwiller, William Dotson
 Turner, Margaret Catherine
 Umstead, Christine Arnold
 Vance, Martha Virginia
 Vaughan, Robert McNeal
 Vickers, Lee E.
 Voorhees, Robert S.
 Waddell, Kathleen Elizabeth
 Walker, Robert Butler
 Walter, George Henry, Jr.
 Ward, Myrtice Charlotte
 Waters, Carlotta Lucretia
 Weatherby, Carleton Eddy, Jr.
 Weathers, Elizabeth DeLany
 Weathers, Elmer Dewey
 West, Elizabeth Gillespie
 Weston, Orvetta Talbott
 Weyersberg, Albert Charles, Jr.
 White, Laura Wood
 Wilkerson, Helen Elizabeth
 Wilkins, Elizabeth Mae
 Williams, Annie Crockette

* Degree conferred *in absentia*.

Winslow, Charles Hudson, Jr.	Wyman, William Hazen
Wood, John Wesley	Yelverton, George Elliott
Wright, Harold Burhans, Jr.	*Young, Marian Elizabeth
Wyllie, Charles Glennie	York, Elizabeth Rue

B.S. DEGREE

Casali, Liberty	Lewis, Hubert Murry, Jr.
Gaddis, Adam Marr	Lynn, Waylon Everett
Jones, Nedra	*Pritchett, James Byron
Knowles, Helen Ruth	Terry, Lewis Isaac
Lackey, Riley Howard	Turner, A. Fred, Jr.

In Engineering

Armfield, James Hendrix	Knight, Kenneth Thigpen
Brown, Wilson John Chester	Kornegay, John Royal
Capling, Leonard	McCeney, George Dudley
Cook, David Erving	Malone, James Robert
Crooper, George Bertrand	Miller, Robert Smith
deBruyne, Anton Locker	Ormsby, Wilbur Stanley
*Evernham, Earle Barnett	Peppell, Robert Lee
Garrett, Thomas Jefferson, Jr.	*Smith, Samuel James, Jr.
Kadic, Carl Henry, Jr.	Werner, Albert Henry
Karpinsky, William	Wynn, Henry Acaley

In Dietetics

Alexander, Camille	Martin, Helen
*Ethridge, Lorene	

In Medicine

Brian, Earl Winfrey	*Pate, John Ralston
Cobey, Milton Carpenter	Sharpe, Walter Eugene, Jr.

A.M. DEGREE

Adams, John Clinton	Cuninggim, Augustus Merrimon
*Anderson, John David	*Dance, Willis Lufkin
Anderson, Lewis Edward	Denny, Mary Rebecca
Andrews, Henry Lucian	Dillon, Conley Hall
Beacham, Nickels Ray	*DuVernet, Grace
*Berghauser, Ailsie Powel	Eason, Elizabeth Bruner
*Berghauser, Albert Sartor	Farrar, Margaret Ella
Brady, Elbert Carl	Fish, Laurens Hull
Brant, George Ezekiel	*Flinn, Lawrence
Bridgers, Frank Ernst, Jr.	Fulmer, Mary Eunice
Broadhead, Edward Hall	*Guy, Walter Carlisle
Bryan, William Alfred	Harris, Isabella Deas
Burch, Vella Jane	Harrison, David Moody
*Calhoun, Robert Lyon	*Harvey, Harlow Williamson, Jr.
*Cannon, Ernestine Jacobs	Harward, Morata Beatrice
Clarke, Sara Elizabeth	Huffman, Esther Wright

* Degree conferred *in absentia*.

Humble, Hilary Augustus
 Hunter, Annie May
 Jackson, Fynes Berty,
 *Jenkins, Ruth Irwin
 *Jerney, William Howard
 Kopp, Paul Joseph
 *Latham, Dennis Harold
 *Lawrence, Ora Woodford
 Lee, Donald Woodward
 McCarrell, David Kithcart
 McDavid, Raven Ioor, Jr.
 McEntire, Weldon Davis
 McGavock, William Gillespie
 Madison, Blaine Mark
 Manget, Jeanne Logan
 Mann, Marvin Mellard
 *Martin, Lelia Virginia
 Moore, Daniel Houston
 Moses, Anna Katherine
 New, Mary Ellen
 Newsom, Mary Etta Cavett
 Nyeu, Ming Hwa
 Ownbey, Sara Elizabeth
 Parker, Enid Rifner

Poole, Mary Elizabeth
 Pratt, Joseph Gaither
 Rainsford, Albert Edwin
 Rice, Nolan Ernest
 *Rodriguez, Andres
 Sartorius, William Schoolfield
 *Searcy, Hubert
 *Shannon, Edward McDaniel
 Simpson, Mary McNab
 *Sloan, John Stover
 Steele, Marion Da Vault
 Strother, Eura Vance
 Stroud, Dorothy Mae
 Sullivan, Claude Townsend
 Sullivan, Willie Jefferson
 Tanner, Edward William
 Taylor, Robert King, Jr.
 Trexler, Dora May
 Walker, Herman, Jr.
 Waynick, Minerva Ann
 Whitenfish, Abe Irving
 Whitman, William Tate
 Williams, Marion Eugene
 Williams, McChord.

M.E. DEGREE

Ashe, Alex Elisha
 Cox, Granville Claude
 *Garrison, Albert L.
 Godfrey, Roy Burchell
 *McKinney, William Harold
 *Marks, William Bernelle

Perry, Haywood Arnold
 *Rath, Harry Nicholas
 Shaw, William Henry
 Stamy, Adam Reese
 Tilley, Ernest Clarence

B.D. DEGREE

Barnwell, Myrtle Carpenter
 Barnwell, Roy James
 *Brown, James Witt
 Brown, Robert Edgar
 *Carruth, John Robert
 Dean, William Eunice
 Denton, Ernest Sigler
 Donald, Samuel Everett
 *Evans, Garfield
 *Faulk, Roland William
 *Foster, George Adair
 *George, LeRoy Brunson
 Giessen, Charles Henry
 Goldston, Cleo Wade

Hardee, Robert Marion
 *Hastings, Comer Henry
 *Highfill, Thomas Guthrie,
 Holt, Doctor Dillon
 *Huckabee, Weyman Carlisle
 Huffman, Norman Ara
 Jenkins, Theodore Roosevelt
 Johnson, Henry Morrison
 Lefler, Bayne Wesley
 Maness, Madison Ward
 Prentis, Robert Brown
 Robbins, Cecil Wayne
 Robinson, Harold Manson
 Russell, Harrell McTeer

* Degree conferred *in absentia*.

*Sanford, Marshall Stanfield	Thrift, Charles Tinsley, Jr.
Still, Joseph Ragsdale	Trammell, James Fletcher
Tew, William Alton	Whitsett, Daniel Cleveland
Thompson, Arnold Chester	

LL.B. DEGREE

Bost, Eugene Thompson, Jr.	McGuire, William B., Jr.
*Carson, Crawford H.	Mansfield, Donald Bruce
*Coie, J. Paul	*Perkins, Raymond Keller
Gibbs, Coming Ball	Reynolds, Rufus W.
Hanes, John Chisman	Seligson, Stanley Lawrence
Herring, Norman Spark	Shull, James Malcolm
Howland, William Franklin, Jr.	Simon, William Alexander, Jr.
Klein, Sylvan	Thornton, T. Spruill
Knight, Alton Jerome	Winstead, Samuel Garland, Jr.
Lassiter, William C.	

LL.M. DEGREE

Everett, Henry L.	Stubbs, Allston J.
-------------------	--------------------

S.J.D. DEGREE

McCormick, James Byron

M.D. DEGREE

*Ackerman, Gerald Lyon	*Hasler, Walter Thalman, Jr.
*Callaway, Jaspas Lamar	*Kendrick, Charles Mattocks
Conti, Martin Edward	*Kleckner, Orrin Frank
*Darden, William Howard	*Lewis, Gerald Clellan
Donnelly, Grant Lester	Montgomery, Charles Francis
Duffy, Raymond John	*Pate, John Ralston
*Gaskel, Jerome	*Weatherford, William Julian
*Gay, Charles Houston	

DIPLOMA IN NURSING

Arnold, Erma Aldine	Mann, Elizabeth Eugene
Brinkley, Gladys Ione	Norton, Anne Reynolds
Cotter, Mary Ethel	Thrower, Emma Belle
Evans, Georgia Elizabeth	Tillett, Grace Mangum
Green, Mary Emily	Ward, Jessie Speight
Hawfield, Annie Joe	Wilson, Mary Helen
High, Christine Mae	Yarbrough, Pearl

PH.D. DEGREE

Allen, Robert Ivey, B.S., M.S., University of Georgia.

Dissertation: *The Absolute Saturation of Cubic Cobalt.*

Burch, J. C. Horton, A.B., M.A., Duke.

Dissertation: *A Combined Lexicon and Concordance of the English Works of John Gower, A-C Inclusive.*

* Degree conferred *in absentia*.

- Carpenter, David Williams, A.B., M.A., Duke.
Dissertation: *The Effect of Temperature on the Diffusion of Metastable Mercury Atoms.*
- Cook, Louis Bertram, Sc.B., Brown; M.A., Duke.
Dissertation: *The Action of Fluorine on Naphthalene and Some of Its Derivatives.*
- Cutter, Walter Airey, A.B., Central College; M.A., Duke.
Dissertation: *The Philosophy of Religion in America since 1900.*
- Dressel, Francis George, B.S., Michigan State; M.S., University of Michigan.
Dissertation: *A Boundary Value Problem for the Heat Equation.*
- Gillaspie, Athey Graves, B.S., Lynchburg; M.A., Duke.
Dissertation: *An Investigation Concerning the Relative Stabilities of Aromatic Ald-Chlorimines and their Geometrical Configuration.*
- Griffin, Mabel Jeanette, A.B., M.A., Duke.
Dissertation: *Invariants of Pfaffian Systems.*
- Hagan, Charles Banner, A.B., Emory and Henry; M.A., University of Virginia.
Dissertation: *The Anglo-American Doctrine of the Act of State: A Study in the Competence of National Courts.*
- McCulloch, Thomas Logan, A.B., Whittier College; M.A., Duke.
Dissertation: *A Study of the Cognitive Abilities of the White Rat with Special Reference to Spearman's Theory of Two Factors.*
- McDonald, Ralph Waldo, A.B., Hendrix College; M.A., Duke.
Dissertation: *An Investigation of the Study Processes Employed by High School Pupils in American History.*
- Mabry, William Alexander, A.B., M.A., Duke; M.A., Harvard.
Dissertation: *The Disfranchisement of the Negro in the South.*
- Meier, Frederick William, Ph.B., University of Chicago; M.A., Tulane.
Dissertation: *A Translation of Erwin Panofsky's Idea with a Critical Introduction.*
- Pearson, John Herbert, Sc.B., Brown; M.A., Duke.
Dissertation: *The Action of Fluorine on Certain Aromatic Organic Compounds under Various Conditions.*
- Peterson, Harold Fern, A.B., Knox; M.A., University of Minnesota.
Dissertation: *Diplomatic Relations between the United States and Argentina, 1810-1870.*
- Robert, Joseph Clarke, A.B., Furman; M.A., Duke.
Dissertation: *The Tobacco Industry in the Virginia-Carolina Area, 1800-1860.*
- Smith, Culver Haygood, A.B., Duke; M.A., Yale.
Dissertation: *The Washington Press in the Jacksonian Period.*
- Sugden, Herbert Wilfrid, A.B., Harvard; M.A., Duke.
Dissertation: *The Grammar of the Faerie Queene.*
- Tarbutton, Grady, B.S., Millsaps; M.S., University of Iowa.
Dissertation: *The System Lead Acetate, Acetic Acid, Water and a Voltaic Cell with Aqueous Acetic Acid as the Solvent.*

Thomas, John Frederick, B.L., M.A., University of Michigan.

Dissertation: *An Evaluative Study of the Mental Content of Certain Trance Phenomena.*

Tipton, Samuel Ridley, A.B., Mercer.

Dissertation: *The Respiration of Vertebrate Erythrocytes.*

Warner, James Harold, A.B., Indiana University; M.A., Northwestern.

Dissertation: *The Reputation of Jean Jacques Rousseau in England, 1750-98.*

HONORS IN THE GRADUATING CLASS

Magna cum laude

David Sterling Clarke	William Karpinsky
William Pratt Dale	Jacob Levin
Harry Leonard Dein	Dorothy Newsom
Lucille Buchanan Gainey	Henry Acaley Wynn
Marjorie Glasson	

HONORS IN DEPARTMENTS

Botany—Frank Ferrell Smith

Chemistry—Charles Kilgo Bradsher

Economics—David Sterling Clarke, Parker Redman Hamlin

Mathematics—Geraldine Fletcher

SOPHOMORE HONORS

Elma Jeanette Black	Carlos DuPre Moseley
Walter Eugene Conrad	Robert Pleasants Nixon
Catherine Elizabeth Isenhour	Ira Stanley Ross
Thomas Woodfin Keesee	Philip Linus Shore, Jr.
Marjorie Adelaide King	Sarah Wray Thompson
Kermit Landis Leitner	Jackson McChesney Viol
John Charles Lennox	

FRESHMAN HONORS

Marcia Lee Anderson	Yerby Rozelle Holman
Mrs. W. M. Baker	Herbert Strassburger Nusbaum
Ruth Frances Bowman	Ernestine Catherine Paul
Ruby E. Fogel	Henry Schroder Robinson
Betty Friemel	Ernest Harvey Wood
Jane Rebecca Haislip	

ROLL OF STUDENTS
(1933-1934)

TRINITY COLLEGE

FRESHMAN CLASS

Adams, Randal Barker	Washington, D. C.
Adams, Willis Roscoe	Clarksville, Va.
Alberts, Jack Christian	Hoboken, N. J.
Alexander, Jack	Asheville, N. C.
Alexander, Wendell Welles	Rosemont, Pa.
Alterman, Abe A.	Atlanta, Ga.
Althoff, Charles Clair	Hanover, Pa.
Ambler, Wayne Harper	Abington, Pa.
Anders, Robert R.	Charlotte, N. C.
Anderton, James Francis	Oil City, Pa.
Andrews, Vernon Liles	Mt. Gilead, N. C.
Andrus, Frederick Henry	Akron, O.
Antrim, Joe Carson	Worthington, O.
Appel, Leonard Adolphus	Rutland, Vt.
Appleford, George Burton	Dublin, N. H.
Ardolino, John Clarence	Metuchen, N. J.
Armstrong, James Hoffman	Surgoinsville, Tenn.
Arnold, Joseph Marvin, Jr.	Glen Rock, N. J.
Arnold, Lee	Chicago, Ill.
Arp, David Hoyden	Ellijoy, Ga.
Ashby, H. Nicholson	Durham, N. C.
Atherton, Charles Laurence	Peekskill, N. Y.
Atkins, Albert Graham	Durham, N. C.
Atkins, James Martin	Asheville, N. C.
Atkinson, John Virgil	Pueblo, Colo.
Austin, Richard Erwin	Delmar, N. Y.
Baeder, Fred Nelson	Nutley, N. J.
Baer, Richard Franklin	Reading, Pa.
Bailey, George Robert	Rockville Centre, N. Y.
Baker, Charles Harvey	South Orange, N. J.
Baker, William Benjamin	Aberdeen, Md.
Baker, William Russell	Bronxville, N. Y.
Baldwin, Reubin Lynwood	Durham, N. C.
Ballard, Carroll Chadwick	Exmore, Va.
Barber, Horace Ethridge	Glen Falls, N. Y.
Barber, William Lawrence	Phillipsburg, N. J.
Barley, George William	Lynbrook, N. Y.
Barnes, John Irving, Jr.	Clayton, N. C.
Barrett, Charles Arthur	Glen White, W. Va.
Baskervill, William Rust	Warrenton, N. C.

Basore, Douglas Charles
 Bassett, Edgar Rees
 Bassett, Roderick Emerson
 Bateman, Oliver Jerome, Jr.
 Bean, Robert
 Beard, Francis Dean
 Beatty, George Lake
 Beazley, Richard Lee
 Beck, Willard Sperring
 Beich, Paul Marion
 Bell, Harry Guthrie
 Bell, G. Holmes
 Belvin, Norfleet Piper
 Bennett, Albert Edward
 Bennett, Floyd Sheddan
 Birmingham, William George, Jr.
 Bishop, James Edgar
 Bistline, James Adams
 Blevins, George Coffman
 Bly, Paul
 Bode, Helmut
 Boeker, Robert Otto
 Boepple, William Alexander
 Boling, James Keith
 Bolland, J. Wallace
 Bolton, Arthur Laidlow
 Bone, Roger Winslow
 Books, John Wesley
 Borland, Thomas Walker
 Bostick, Welch M.
 Boyce, Stanley Francis
 Boyd, James Clinton
 Boyd, Murphy Robert
 Boyle, Kenneth Monroe
 Brach, Earl Tilton
 Bradley, Edward
 Brasch, Maxwell Frederick
 Bretell, Charles Herbert
 Bridges, Robert Hurst
 Briel, Christian SchAAF
 Brooks, John Robert, Jr.
 Brothers, Joseph Grayson
 Brown, David Carroll
 Brown, James Walter, Jr.
 Brown, Walter Franklin
 Brundage, Jesse Powell
 Bruner, Jerome Seymour
 Bruns, John Jerome, Jr.
 Bryan, William Wilson
 Kenmore, N. Y.
 Scarsdale, N. Y.
 Danbury, Conn.
 Byron, Ga.
 Louisville, Ky.
 Durham, N. C.
 Brooklyn, N. Y.
 South Orange, N. J.
 Beverly, N. J.
 Bloomington, Ill.
 Paris, Ky.
 Dillon, S. C.
 Durham, N. C.
 Brooklyn, N. Y.
 Richmond, Va.
 Liberty, N. Y.
 Greensboro, N. C.
 Cumberland, Md.
 Centreville, Md.
 New York City
 Weehawken, N. J.
 Seymour, Conn.
 New York City
 Siler City, N. C.
 Ridgewood, N. J.
 Pelham, N. Y.
 Nashville, N. C.
 Haddon Heights, N. J.
 Durham, N. C.
 Oxford, N. C.
 Baltimore, Md.
 Huntington, W. Va.
 Durham, N. C.
 Arlington, N. J.
 Baltimore, Md.
 Taunton, Mass.
 Washington, D. C.
 Melrose, Mass.
 Franklin, Pa.
 Sutton, Mass.
 Richmond, Va.
 Wilmington, N. C.
 Anderson, S. C.
 Gatesville, N. C.
 Charlotte, N. C.
 Upland, Pa.
 Forest Hills, N. Y.
 Uniontown, Pa.
 Detroit, Mich.

- Buck, Robert Earl
 Bullock, Isaac Weldon
 Burd, James Edward
 Burgess, Woodrow William
 Burke, James Marion
 Burke, Lawrence Albert
 Burwell, George Allen
 Butler, William Miller
 Byrne, William Deininger
 Byrum, Charles Forrest
 Byrum, Thomas Jefferson
 Cade, William Albert, Jr.
 Callahan, Chadwick
 Campbell, John Denis
 Carden, Russell Campbell
 Cardwell, Joe Thomas
 Caruso, Lawrence Joseph
 Castor, Paul Martin
 Chalk, William Buffkin
 Chambliss, Sizer
 Champion, John Dixon, Jr.
 Cheek, Herbert Nash
 Chouteau, Azby Augustus III
 Clapp, Clyde Melville
 Clark, Frederick Eugene
 Clay, Arthur Thomas
 Clay, Charles Stafford
 Cleaveland, Frederick Neill
 Cobb, Charles D.
 Coble, Thomas S.
 Cohen, Gilbert Francis
 Collins, Harold Reeves
 Collins, Lawrence Henry
 Condit, Albert Nelson
 Cone, Arthur Read
 Congdon, Howard Standing
 Conklin, Harry Cave
 Conklin, William Douglas
 Conner, Robert William
 Cook, Robert Wiles
 Cooper, Harry Lee
 Copeland, Alex
 Corbett, Waddell Albert
 Corbett, William Horace
 Corbitt, Claude Elliott
 Cornelius, B. O.
 Cornett, Baron Hale
 Cornish, Donald Cross
 Corriher, Walter Douglas
 Fort Washington, Pa.
 Creedmoor, N. C.
 Pottsville, Pa.
 Royal Oak, Mich.
 Mount Airy, N. C.
 Forest Hills, N. Y.
 Warrenton, N. C.
 Millersburg, Ky.
 New Rochelle, N. Y.
 Great Falls, S. C.
 Great Falls, S. C.
 Burlington, N. C.
 Center Moriches, N. Y.
 London, Tenn.
 Chattanooga, Tenn.
 Montgomery, Ala.
 Brooklyn, N. Y.
 Haddonfield, N. J.
 Morehead City, N. C.
 Lookout Mountain, Tenn.
 Fuquay Springs, N. C.
 Durham, N. C.
 Halesite, N. Y.
 Baltimore, Md.
 Maplewood, N. J.
 Ridgewood, N. J.
 Beckley, W. Va.
 Short Hills, N. J.
 Greenville, N. C.
 Durham, N. C.
 Atlanta, Ga.
 South Seaville, N. J.
 Macon, Ga.
 East Orange, N. J.
 Buffalo, N. Y.
 Providence, R. I.
 Mansfield, O.
 West Haven, Conn.
 Utica, N. Y.
 Cooperstown, N. Y.
 Nashville, N. C.
 Charlotte, N. C.
 Wilmington, N. C.
 Wilmington, N. C.
 Sunbury, N. C.
 Winston-Salem, N. C.
 Bluefield, W. Va.
 New Rochelle, N. Y.
 Charlotte, N. C.

Corwin, Francis Whitman
 Cosgrove, Walter Arthur
 Cottingham, William Thomas
 Cottler, Frank
 Coulson, Robert Lon
 Cowan, Robert Love
 Cox, Headley Morris, Jr.
 Crawford, Fred Eugene
 Crawford, Raymond Rockefeller
 Cross, Guy Elmer
 Cross, Richard Wellington
 Cruger, Harold Hilliard
 Culbreth, Marvin Trawick
 Cummings, R. Winthrop
 Curry, Jack Birney
 Curtis, Paul Makepeace
 Cutchin, Richard Speight
 Danforth, Carroll Rhodes
 Daniel, James M.
 Daniels, Petre Robert
 Danzer, Roy
 Dator, Frank William
 Davis, George Drennen
 Davis, William Carson
 Deemer, Alexander D. II
 Dein, Irving
 de Journo, Victor Joseph
 Deming, Charles Allen
 Deneen, Russell Sanders
 Desvernine, Eugene
 DeWitt, Robert Otis
 Dils, Henry Hamilton
 Dodd, E. David
 Drake, Nelson Howard
 Dressing, Charles Henry, Jr.
 Dudley, William Fredrick
 Dunlap, Jack Walton
 Dunn, William Burwell
 Dunn, William Holmes, Jr.
 Dunstan, Forrest Vaughan
 Dunstan, Robert Frederic
 Durner, Gus John
 Easley, James Knapp, Jr.
 Eastwood, Howard, Jr.
 England, Alfred Theodore
 Erixon, John Gustav, Jr.
 Ervin, Jack Collins
 Etter, Harry Stough
 Evans, Drew, Jr.
 Geneva, N. Y.
 Southampton, N. Y.
 Douglas, Ga.
 Chelsea, Mass.
 Hanover, Pa.
 Newport, Tenn.
 Mt. Olive, N. C.
 Waynesville, N. C.
 Germantown, N. Y.
 Lynbrook, N. Y.
 Upper Darby, Pa.
 Peekskill, N. Y.
 Durham, N. C.
 Lynbrook, N. Y.
 Atlanta, Ga.
 Greensboro, N. C.
 Whitakers, N. C.
 Swampscott, Mass.
 Columbia, S. C.
 Elizabeth City, N. C.
 Hagerstown, Md.
 Mahwah, N. J.
 McKeesport, Pa.
 Collingswood, N. J.
 Brookville, Pa.
 Atlantic City, N. J.
 Allentown, Pa.
 Huntington, N. Y.
 Bakersville, N. C.
 Havana, Cuba.
 North Easton, Mass.
 Parkersburg, W. Va.
 Ayden, N. C.
 Stamford, Conn.
 Aspinwall, Pa.
 Vineland, N. J.
 Lawton, Okla.
 Durham, N. C.
 Collingswood, N. J.
 Elizabeth City, N. C.
 Pittsburgh, Pa.
 Asheville, N. C.
 Somerville, N. J.
 Burlington, N. J.
 Haddonfield, N. J.
 White Plains, N. Y.
 Durham, N. C.
 Shippensburg, Pa.
 Morehead, Ky.

- Everett, James William
 Ewer, Nathaniel Trull, Jr.
 Fager, Richard Fulton
 Farmer, Willis Graham
 Fennell, George William
 Ferguson, James
 Ferris, Douglas Willson
 Fischer, Monroe Carl
 Fischer, Walter Leonard
 Fisher, Claude Deacon
 Fisher, John Land
 Fisher, William Henry, Jr.
 Fletcher, Albert William
 Flohr, Moritz Herman
 Flowers, Curtis Wilcox
 Fogleman, William Harry
 Folsom, Kenneth P.
 Ford, Charles Terry
 Ford, Elwood James
 Forman, Edward Lewis
 Fort, Norman Watson, Jr.
 Fox, Lafayette Palmer
 Foy, Lewis Wilson
 Frantz, Ivan DeRay
 French, Jennings Watson
 Fretwell, Joseph John III
 Friedlander, Irwin
 Fryer, John Clifford
 Fuller, Alfred Howard
 Fuller, Stephen Bliss
 Fulmer, William Henry
 Gallaher, Raymond Wetherbee
 Gedney, Dewaine Leslie
 Gellert, Walter George, Jr.
 George, Judson
 Gibbons, Julius Joyce, Jr.
 Gibbons, John Albert
 Gibson, Gordon Maxwell
 Gill, Charles Howard
 Gillander, Robert Carlisle
 Gillespie, James Stuart, Jr.
 Gillies, Henry Clarke, Jr.
 Gillies, Willard Merritt
 Gilpin, Richard Bond
 Ginsberg, Harold
 Gingrich, Harry Melvin
 Goddard, David Watson
 Goldstein, Samuel
 Goode, Joseph Roland, Jr.
- Mahanoy City, Pa.
 Swarthmore, Pa.
 Camp Hill, Pa.
 Bailey, N. C.
 Mamaroneck, N. Y.
 Spartanburg, S. C.
 New Rochelle, N. Y.
 Scranton, Pa.
 Elizabeth, N. J.
 Maplewood, N. J.
 Lakewood, O.
 Centreville, Md.
 Scarsdale, N. Y.
 Canisteo, N. Y.
 San Antonio, Texas
 Portsmouth, Ohio
 Washington, D. C.
 Media, Pa.
 Detroit, Mich.
 Lykens, Pa.
 Philadelphia, Pa.
 Harrisburg, Pa.
 Johnstown, Pa.
 Clarksburg, W. Va.
 Keystone, W. Va.
 Miami Beach, Fla.
 Moultrie, Ga.
 Richmond, Va.
 Hartford, Conn.
 Chevy Chase, Md.
 Savannah, Ga.
 Flushing, N. Y.
 Syracuse, N. Y.
 Abington, Pa.
 Laurens, S. C.
 Wilson, N. C.
 Durham, N. C.
 Chatham, N. J.
 Newport, R. I.
 Pittsburgh, Pa.
 Stamford, Conn.
 Melrose, Mass.
 Melrose, Mass.
 Maplewood, N. J.
 Daytona Beach, Fla.
 Pottstown, Pa.
 Portsmouth, Ohio
 Salem, N. J.
 Alexandria, Va.

Goodwin, Robert Walton
 Gorringe, James Norman
 Gostin, Seymour Bernard
 Gourley, Robert Dunsceith
 Granger, James Sullivan
 Gray, David Graham
 Green, Ernest Leroy
 Green, Warren Thornton
 Greenwood, Porter C.
 Gregory, Shelton Rolfe
 Greutker, Frank Chris, Jr.
 Griffith, Dick Arnold
 Griscom, George Edwin
 Guerin, Frederick Larter
 Hass, Richard Gibson
 Hague, Frederick F.
 Haines, Risley Frith
 Hall, Amos Harris
 Hall, Charles Edward
 Hall, Ralph Owens
 Hall, Robert Foster
 Hallock, Charles Benjamin
 Ham, Alan Weightman, Jr.
 Hammer, John Dillon
 Hanes, Newton Henderson
 Hanes, Pleasant Huber, Jr.
 Happel, Benjamin Albert
 Hardin, James C.
 Harman, Henry Elliott III
 Harmon, Paul Vernon, Jr.
 Harris, Charles Russell
 Harte, Sheldon Robert
 Haske, John Petrie
 Hastings, Bruce Colin
 Hausser, Harry Edward
 Hayes, Charles Aloysius, Jr.
 Hayes, Woodrow Wilson
 Healey, William James, Jr.
 Heffner, William Nason
 Heilman, Frank Albert
 Heitman, Jack Kenneth
 Hemby, Adrian Earl
 Hennemier, John Mathiack
 Hermann, Gayle Louis
 Herrick, Albert Louis
 Hewitt, Glenn Edward
 Hibbard, Allen Raynor
 Hill, David Alan
 Hinck, Robert Henry

Norway, Maine
 East Orange, N. J.
 White Plains, N. Y.
 New York City
 Buskirk, N. Y.
 Gastonia, N. C.
 Media, Pa.
 Louisville, Ky.
 Waynesville, N. C.
 Petersburg, Va.
 Kenmore, N. Y.
 Lake Forest, Ill.
 Trenton, N. J.
 South Orange, N. J.
 Youngstown, Ohio
 Columbus, Ohio
 Bayamo, Cuba
 Hollywood, Fla.
 Ashland, Ky.
 Drexel Hill, Pa.
 Charleston, W. Va.
 Nunda, N. Y.
 Milton, Mass.
 Tampa, Fla.
 Winston-Salem, N. C.
 Winston-Salem, N. C.
 Blue Ridge Summit, Pa.
 Rock Hill, S. C.
 Atlanta, Ga.
 Charlotte, N. C.
 West Palm Beach, Fla.
 New York City
 Wash. Grove, Md.
 La Grange, Ill.
 Scranton, Pa.
 Haddonfield, N. J.
 Durham, N. C.
 Bradford, Pa.
 Northport, N. Y.
 Middlebranch, Ohio
 Wilmette, Ill.
 Rocky Mt., N. C.
 Savannah, Ga.
 Cleveland Heights, Ohio
 Asheville, N. C.
 Syracuse, N. Y.
 Clearwater, Fla.
 Westfield, N. J.
 Millburn, N. J.

- Hinnant, William Walker, Jr.
 Hintermeister, Richard Frederick
 Hirst, Donald Vincent
 Hoffman, John Edward
 Hogan, Ocie Kyle
 Hogewood, Ashley Lee
 Holcomb, John McAlwane
 Holler, William Lyles
 Hollinger, Gilbert Russell
 Holt, Howard Price
 Hooks, Edward Hampton
 Hooten, Charles Edwards
 Hopper, Addison Weaver
 Hopson, Calvert C.
 Horneffer, Laurence Grant
 Houchins, William C., Jr.
 Howard, Robert Glen
 Howell, Matt D.
 Howell, Richard Dean
 Hoyle, Alton Reid
 Huey, John Raeder
 Huiskamp, Carl Christian
 Huneycutt, James Eagle, Jr.
 Hunter, Robert Gray
 Hurlbut, John Hovey
 Hyams, Norman Alan
 Igo, Daniel Joseph
 Ingram, George Doran
 Jackson, Frederick Raymond, Jr.
 Jacobs, Albert Gentel
 Jantzen, Neson Rudolph
 Jasper, Frederick William
 Jenkinson, Richard Dale, Jr.
 Jennings, William Champe
 Johnson, Chalmers Cowan, Jr.
 Johnson, Charles Johnson
 Johnson, Claude Walden
 Johnson, George Arthur
 Johnson, Morris Judson
 Johnson, Roy Ruggles, Jr.
 Johnson, Thomas Derwood
 Johnson, William Richard
 Johnston, Dana Stephens
 Johnston, James Henry, Jr.
 Johnston, James Henry
 Johnston, John Wesley
 Johntz, Frederick Fanes
 Jones, Chester George
 Jones, Duard Crowell
 Raleigh, N. C.
 Brooklyn, N. Y.
 Seoul, Korea
 Fort Wayne, Ind.
 Montgomery, Ala.
 Charlotte, N. C.
 Memphis, Tenn.
 Columbia, S. C.
 Mobile, Ala.
 Nashville, Ark.
 Ayden, N. C.
 Bloomfield, N. J.
 Maplewood, N. J.
 Wayne, Pa.
 Summit, N. J.
 Keystone, W. Va.
 Washington, D. C.
 Goldsboro, N. C.
 Miami, Fla.
 Asheville, N. C.
 West Chester, Pa.
 Keokuk, Iowa
 Charlotte, N. C.
 Lansdowne, Pa.
 Oak Park, Ill.
 St. Paul, Minn.
 Wanamie, Pa.
 Erwin, Tennessee
 Charlotte, N. C.
 Philadelphia, Pa.
 Philadelphia, Pa.
 Glen Jean, W. Va.
 Bellevue, Pa.
 Westfield, N. J.
 Plymouth Meeting, Pa.
 Wilmington, N. C.
 Ft. Thomas, Ky.
 Baltimore, Md.
 Hammond, Ind.
 Upton, Mass.
 Ingold, N. C.
 Baltimore, Md.
 Ulster, Pa.
 Ripley, Tenn.
 Winston-Salem, N. C.
 Statesboro, Ga.
 Winston-Salem, N. C.
 Bryn Mawr, Pa.
 Elizabeth City, N. C.

Jones, John Benjamin
Jones, William Murray, Jr.
Justin, Walter Leas
Kades, Robert Louis
Kamp, Robert Shindel
Kay, Louis
Kay, Robert Eynon
Kellogg, Mitchell
Kennedy, Douglas MacMillan
Kenyon, H. Stewart
Ketcham, Frederick
Ketchum, Paul Freley
Kevolic, Michael
King, John Belding
King, John Cheves, Jr.
Kingman, Robert Woodbridge
Kirkland, George Faucette, Jr.
Kirkland, Philip H.
Kleinfelter, Robert M.
Klock, John Douglas
Knapp, James Edward
Kneipp, John Albert
Koonce, John Edward, Jr.
Korstian, Kenneth Clarence
Kreider, Clarence Wenger
Kritzer, Morton Daniel
Krum, Kenneth William
Kuhn, Harold Hunter
Lackey, Archer Evans
Lambeth, James Erwin, Jr.
Laney, Nick
Lapham, Robert Wesley
Lauther, Frederick Ralph
Leach, Raymond E.
Lee, Eugene Raymond
Leidy, Joseph Victor
Leland, Roderic Schuyler
Lengler, Robert Edward
Leonard, Joseph Patrick
Leonard, Walter Deland
Leven, Edward
Lewis, William Francis
Lexow, Robert Friess
Liana, Frank John
Liller, Melvin Henry
Lindhe, Walter
Litle, Francis J.
Little, Chester Crowell
Little, Robert Anderson
Tyrone, Pa.
Durham, N. C.
Scranton, Pa.
Harrisburg, Pa.
Ridley Park, Pa.
Watseka, Ill.
Wildwood, N. J.
New Canaan, Conn.
Camden, S. C.
Miami Beach, Fla.
Fishkill, N. Y.
Washington, D. C.
Coaldale, Pa.
Cristobal, Canal Zone
Charleston, W. Va.
East Bridgewater, Mass.
Durham, N. C.
Durham, N. C.
Innwood, N. Y.
Walker, N. Y.
Irasburg Vt.
Washington, D. C.
Chadbourn, N. C.
Durham, N. C.
Philadelphia, Pa.
Brooklyn, N. Y.
Lynbrook, N. Y.
Charleston, W. Va.
Christiansburg, Va.
Thomasville, N. C.
Charlotte, N. C.
Pittsburgh, Pa.
Lebanon, Pa.
Asbury Park, N. J.
White Plains, N. Y.
Philadelphia, Pa.
New Canaan, Conn.
Scranton, Pa.
Utica, N. Y.
Tabor, N. C.
Miami, Fla.
Providence, R. I.
Brooklyn, N. Y.
Brooklyn, N. Y.
Hershey, Pa.
Montclair, N. J.
Washington, Pa.
Asheville, N. C.
Southside, N. C.

- Litterst, Harry Bertrand
 Lewellyn, Clarence D.
 Luff, Robert Hamilton
 Luly, William Oliver
 Lush, Stephen Stringor
 MacGillivray, John Stevenson
 MacMillan, Donald William
 McCallister, Edgar William
 McCallum, Russel Paul
 McCann, Frank Bates
 McClain, Donald Freeland
 McDermott, John Joseph
 McDonald, James Campbell
 McElwraith, Brooks
 McFadyen, Oscar Lee, Jr.
 McGrail, Myles Francis
 McHenry, Allan Robert
 McKee, Sterling Eugene
 McKibbin, Dave B.
 McMaster, Gerald Thomas
 McWhirter, Bion
 Mackay, John Leland
 Mackie, Joseph Richard
 Maier, George, Jr.
 Malthy, George Martin
 Manifold, Edward W. L., Jr.
 Mann, Alphonso, Jr.
 Marr, Samuel Wade, Jr.
 Martin, James Marion
 Martin, Robert Doane
 Martz, Edward Frank
 Mason, Edward L.
 Masset, Andrew Hyatt
 Matheus, George Montgomery
 Matulewiz, Raymond Constantine
 Mellon, Harry F., Jr.
 Menaker, Jerome Seymour
 Meng, Walter S.
 Messick, Frank Leslie
 Meyer, Joseph Wight
 Migdal, Edward J.
 Miller, Edmund S. L.
 Miller, John Cassel
 Miller, Walters
 Miller, William John, Jr.
 Mills, Schuyler R.
 Minter, Marion Francis
 Moffitt, Walton Denson
 Moore, Frederick Porter, Jr.
- Arlington, N. J.
 Durham, N. C.
 Philadelphia, Pa.
 Vero Beach, Fla.
 Mahwah, N. J.
 Port Washington, N. Y.
 Providence, R. I.
 Edgewood, Pa.
 West Roxbury, Mass.
 Petersburg, Va.
 Rockville, Conn.
 Freehold, N. J.
 Durham, N. C.
 Mayfield, Ky.
 Fayetteville, N. C.
 Brookline, Mass.
 Sagamore, Pa.
 Bessemer, Pa.
 Indianapolis, Ind.
 Baltimore, Md.
 Charlotte, N. C.
 Montgomery, Ala.
 Philadelphia, Pa.
 Bridgeton, N. J.
 Ogdensburg, N. Y.
 York, Pa.
 Durham, N. C.
 Raleigh, N. C.
 Whiteville, N. C.
 Westfield, N. J.
 Plymouth, Pa.
 Durham, N. C.
 Mt. Vernon, N. Y.
 Media, Pa.
 Mt. Carmel, Pa.
 Wilmington, Del.
 Harrisburg, Pa.
 North Middletown, Ky.
 Bloxom, Va.
 East Orange, N. J.
 Erie, Pa.
 Hamburg, Pa.
 Allentown, Pa.
 DeLand, Fla.
 Philadelphia, Pa.
 Sussex, N. J.
 Laurens, S. C.
 Greensboro, N. C.
 East Gardner, Mass.

Moore, Huber Hanes
Moore, James Carney, Jr.
Moore, James Ira
Moore, Roger Crawford
Morgan, Carson Neal
Morris, James Thomas, Jr.
Morris, Lewis Harry
Morse, William Albert
Moss, John Edward
Motley, Carvelle Douglas
Murphy, William Bailey
Murray, Thomas Jones
Muse, Jesse Phillip
Myers, Dennis Eugene
Myres, Hillman Burnett
Nance, Bernard Clay
Nance, George Wesley
Nealson, James Edward
Nelson, Paul Stansburg
Neuburger, Charles Rentall
Newbold, Arch Bradsher
Newbold, Malcolm, Jr.
Newton, Holmes Ely
Newton, Wesley Marvin
Nicholas, Donald Yeager
Nichols, John Bartley
Nicks, Robert Lee
Nisbet, Douglass S.
Nothdurft, William Herman
O'Brien, James Coyne
Ondek, John Paul, Jr.
Overman, William Franklin
Owen, Richard Holland
Palmer, Walter Cornelius
Pankey, John Robert
Parke, Orland M., Jr.
Parker, Clarence McKay
Parrish, L. L.
Parzick, Vincent John
Patterson, George Enslin
Patterson, Richard Anthony
Paulsen, Douglas Bernhard
Peabody, Edward Taylor
Peace, Harold Ellwood
Pearlstone, Ben Irving
Peck, Charles Bert
Peeler, Clayton Sam
Penabaz, Fernando Jose
Perdue, William Owens
Chattanooga, Tenn.
New York City
Philadelphia, Pa.
Littleton, N. C.
Savannah, Ga.
Chester, Pa.
White Plains, N. Y.
Lakemont, Ga.
Mobile, Ala.
Charleston, W. Va.
Greensboro, N. C.
Philadelphia, Pa.
Savannah, Ga.
Charlotte, N. C.
West Palm Beach, Fla.
Ellerbe, N. C.
Asheville, N. C.
Washington, D. C.
Granite Falls, Minn.
Maplewood, N. J.
Raleigh, N. C.
Manhasset, N. Y.
Summit, N. J.
Durham, N. C.
Scranton, Pa.
Durham, N. C.
Roxboro, N. C.
Philadelphia, Pa.
Salamanca, N. Y.
Rochester, N. Y.
Pittsburgh, Pa.
Wilson, N. C.
Clarksville, Va.
Maplewood, N. J.
Bluefield, W. Va.
Philadelphia, Pa.
Portsmouth, Va.
Carrboro, N. C.
Millers Falls, Mass.
Macon, Ga.
Glens Falls, N. Y.
Baldwin, N. Y.
Hyde Park, Mass.
Hopkinsville, Ky.
Dallas, Texas
Washington, D. C.
Lynchburg, Va.
Oriente, Cuba
Savannah, Ga.

- Perine, Everett Graves
 Peterson, Arthur Martin
 Pettengill, Francis Washburne
 Pettit, Paul Herschel
 Phinney, Carleton Clifford
 Pickard, John David
 Pierce, Claude
 Pierson, Corydon Boyd
 Pierson, Harry Hague
 Pines, Nicholas Francis
 Pinkston, Charles Robert
 Plaster, William Emory, Jr.
 Plumb, Charles Seymour
 Plump, John H.
 Podger, Kenneth Arther
 Poggi, Robert Roger
 Pohl, Herbert Ackland
 Portz, John Taylor
 Post, Edward Ernest
 Powell, David Miller
 Power, Thomas William
 Price, William Rowe
 Prindle, William Martin
 Proctor, S. Kinion
 Pruitt, Charles Eugene
 Puls, Richard Irwin
 Purcell, Thomas Eagley
 Quinn, Ned
 Ramsey, William Horn
 Rawls, Ashburn Leroy
 Reams, Samuel Hunter
 Reel, William Wiley
 Reid, Lawrence King
 Rettaliata, Jack Benson
 Reyes, Theodore
 Rhode, Judson Cyrus
 Rice, Leaming Moore, Jr.
 Rich, Walton Ovington
 Ricks, William Pittman
 Riley, Joseph William
 Ritter, Thomas Frederick
 Roberts, Rufus Winston, Jr.
 Roehrs, Kurt Harry
 Roesch, Philip King
 Rogers, Edwin Davis
 Rorke, Edward Francis
 Rose, James Valentine
 Rose, Mason Harry
 Ross, William Joyner, Jr.
 East Orange, N. J.
 Lynbrook, N. Y.
 Richmond Hill, N. Y.
 Ocean City, N. J.
 Newtonville, Mass.
 Charlotte, N. C.
 Hallsboro, N. C.
 Caribou, Maine
 Chester, Pa.
 Phillipsburg, N. J.
 Asheville, N. C.
 Leesburg, Va.
 Edgewood, R. I.
 Pearl River, N. Y.
 Kenmore, N. Y.
 Tenafly, N. J.
 Lyndhurst, N. J.
 Pottsville, Pa.
 Shelby, N. C.
 Baltimore, Ohio
 Rosemont, Pa.
 Meyersdale, Pa.
 West Barrington, R. I.
 Oxford, N. C.
 Frederick, Md.
 Chester, Pa.
 Lakewood, N. Y.
 Beckley, W. Va.
 Bryn Mawr, Pa.
 South Norfolk, Va.
 Kingsport, Tenn.
 West View, Pa.
 Cheraw, S. C.
 New York City
 Costa Rica, C. A.
 Reading, Pa.
 Wildwood, N. J.
 Port Henry, N. Y.
 Rocky Mount, N. C.
 Collingdale, Pa.
 Belvidere, N. J.
 Birmingham, Ala.
 Wyckoff, N. Y.
 W. New Brighton, N. Y.
 Marlton, N. J.
 New York City
 Scranton, Pa.
 Sarasota, Fla.
 Wadesboro, N. C.

Roush, Benjamin Brown
Rue, William H.
Salmon, George Gilbert, Jr.
Sanders, James Robert
Sandlin, Leon James
Sapp, Clarence Joseph
Sawyer, Walter Wesley
Scales, Joe Andrew
Scarborough, Henry Baldwin
Schaub, Berkley Victor
Schlesinger, Willard Raphael
Schmitt, Donald Henry
Scott, Frank Thurber
Scott, George Ryland
Scott, John Green
Scul, Thomas Robinson
Shafer, Garfield
Shapiro, Martin Zachary
Sharkey, Norman Stone
Sharp, James Henderson
Shaw, Philip Sidell
Shehan, William Mason, Jr.
Shelnutt, Harold Harper
Shemet, Alexander Michael
Shepherd, Ashby Lee
Sherrill, Joseph Barnette
Shields, Richard Allen
Shilling, Frank Robert
Shipley, Paul Sidney
Sholes, Dillard McCary
Shore, Culver Cary
Simmons, William Pinckney
Simonds, John Gaylord
Skofield, Richard Harris
Slay, James Matthew
Slingluff, Hambleton, Jr.
Small, Whitnell Baker
Smathers, Robert Fort
Smith, C. Manning
Smith, Haddon Hartung
Smith, Henry Carson, Jr.
Smith, Kirby, Jr.
Smith, Lewis Leonori, Jr.
Smith, Robert Lee
Smith, Roy Egbert
Smith, William Reed
Smoot, William Irwin
Snipes, Charles Durant
Snyder, George Peter, Jr.
Louisville, Kentucky
Bryn Mawr, Pa.
Maplewood, N. J.
Smithfield, N. C.
Fayetteville, N. C.
Albany, Ga.
Elizabeth City, N. C.
Monroe, N. C.
Mt. Gilead, N. C.
Westfield, N. J.
Brooklyn, N. Y.
White Plains, N. Y.
Live Oak, Fla.
Norfolk, Va.
Tamaqua, Pa.
Somers Point, N. J.
Norfolk, Va.
New York City
Lynbrook, N. Y.
Fairchona, Pa.
Arlington, Mass.
Easton, Md.
Tryon, N. C.
Jamaica, N. Y.
Bristol, Md.
Cornelius, N. C.
Lewes, Del.
Philadelphia, Pa.
Stamford, Conn.
Durham, N. C.
Greensboro, N. C.
Bainbridge, Ga.
York Harbor, Maine
Hampton, Va.
Greenville, N. C.
Upper Montclair, N. J.
Washington, N. C.
Canton, N. C.
Charleston, W. Va.
Maplewood, N. J.
Gwinett, Ga.
Washington, D. C.
Smithtown, N. Y.
Asheville, N. C.
Durham, N. C.
Asheville, N. C.
Seaford, Del.
Sanford, N. C.
Ridgefield Park, N. J.

- Soltman, Everitt G.
 Southgate, Thomas Fuller.
 Speir, Ross Clarence
 Spencer, Carl McLennan
 Spire, Harold
 Standish, Harold Sydney
 Steenrod, Robert Lee
 Stephens, Berkley Moore
 Stevens, Robert Peters
 Stevenson, Robert Mahaffy
 Stewart, Jack Morris
 Stewart, Robert Plummer
 Stigler, Jess Q., Jr.
 Stockwell, Edward Warren
 Stone, Harry James
 Stone, Robert Harriss
 Stube, William Masten
 Suddath, Thomas Howle
 Sullivan, Henry Glenn
 Sullivan, Ross Hood
 Swan, Charles Willard
 Swicegood, Robert McQuire
 Taliaferro, Richard McCulloch
 Taylor, Edward Cyrus
 Thomas, Hayden Edwards
 Thomas, John Greenbury
 Thompson, Benjamin Way
 Thornton, Wilfred Harkness
 Tidwell, James
 Timmons, John Redden
 Topping, Mumford Ellis
 Tousley, Howard James
 Trakas, Billy Andrew
 Travis, Albro Sumner
 Treat, Richard Elmer
 Turlington, David James, Jr.
 Tuttle, John Spencer
 Uden, Edgar A., Jr.
 Ulmer, David Heading Bartine, Jr.
 Upchurch, Herbert Jackson
 Vail, Charles Rowe
 Vales, Oswaldo Ernesto
 Van Nostrand, Norman Wycoff
 Van Wiemokly, Seymour
 Vaughn, Carl Edison
 Verstraten, Giles Henry
 Wade, Charles Byrd, Jr.
 Walker, Richard Leigh
 Walter, Clark, Jr.
 New Rochelle, N. Y.
 Durham, N. C.
 Birmingham, Ala.
 Fayetteville, N. Y.
 Madison, N. C.
 Canandaigua, N. Y.
 Liberty, N. Y.
 Semora, N. C.
 Philadelphia, Pa.
 Clearfield, Pa.
 Palestine, Texas
 Charlotte, N. C.
 Greenwood, Miss.
 Newburgh, N. Y.
 Durham, N. C.
 Wilmington, N. C.
 Niagara Falls, N. Y.
 Savannah, Ga.
 Anderson, S. C.
 Pleasantville, N. J.
 Stonewall, N. C.
 Asheville, N. C.
 Columbia, S. C.
 Dante, Va.
 Munhall, Pa.
 Decatur, Ga.
 Millbrook, Ill.
 Jackson, Ga.
 Pueblo, Colo.
 Columbia, S. C.
 New York City
 Jamestown, N. Y.
 Gastonia, N. C.
 Brewster, N. Y.
 Hamden, Conn.
 Clinton, N. C.
 Bayonne, N. J.
 Charlotte, N. C.
 Moorestown, N. J.
 Durham, N. C.
 Ocean City, N. J.
 Merida, Yucatan, Mexico
 Brooklyn, N. Y.
 Morristown, N. J.
 Park Ridge, Ill.
 New York City
 Morehead, N. C.
 Philadelphia, Pa.
 Washington, D. C.

Ward, Thurman L.	Galax, Va.
Warren, George Lamb	Camden, N. J.
Washington, Jacquelin Marshall	Alexandria, Va.
Watson, Alton Barnett	Jamaica, N. Y.
Watson, John Clarence, Jr.	Charlotte, N. C.
Weafer, Kenneth Albert	Woburn, Mass.
Weagly, Kenneth Dinwiddie	Waynesboro, Pa.
Weil, Carlos	Aldan, Pa.
Weinstein, Milton Nathaniel	Atlanta, Ga.
Welfare, Bradley Lamar, Jr.	Winston-Salem, N. C.
Wells, Edgar Franklin	Greensboro, N. C.
Wenrich, Charles Daniel	Washington, D. C.
West, Ed. C.	Weaverville, N. C.
Weston, Robert Lewis	Kensington, Md.
Westcott, Horace Lloyd	Branford, Conn.
Wheeler, George Martain	Pressmen's Home, Tenn.
Wheeling, Hurschel Andrew, Jr.	Florence, S. C.
Whitaker, Richard Bidgood	Whiteville, N. C.
White, Arnold Erwin	East Rockaway, N. Y.
White, Charles Edgar	Hertford, N. C.
White, Gibson Benjamin	Lexington, Ky.
White, George Wendell, Jr.	Baltimore, Md.
Whitener, Paul Wayne	Hickory, N. C.
Whitley, Carl M.	Clayton, N. C.
Wilkinson, Robert Austin	Millburn, N. J.
Williams, Luther King	Durham, N. C.
Williams, Pleasant Hardin	Ashland, Ky.
Williams, William Robert	Laurel, Del.
Williamson, Walter Adrian	Cocoanut Grove, Fla.
Willis, Noble Sensor	Wilmington, Del.
Wilson, Donald Ross	Greenlawn, N. Y.
Wollett, Ralph Albert	Homestead, Pa.
Wolf, Martin Vitus	Mansfield, Ohio
Womble, William Fletcher	Winston-Salem, N. C.
Wood, Robert Cary	Lewisburg, W. Va.
Woodard, Harry Clanton	Louisville, Ky.
Woods, James Robert	Oak Hill, W. Va.
Worman, Truman H.	Nazareth, Pa.
Wright, Walter Caldwell	Wenonah, N. J.
Wunder, Clarence Edmond, Jr.	Ardmore, Pa.
Wyatt, Robert Harris	Gastonia, N. C.
Wyvell, Conrad Blair	Washington, D. C.
Zambone, Joseph Harry	Vineland, N. J.

SOPHOMORE CLASS

Abbott, Edwin B.	Birmingham, Ala.
Ackerman, Henry V.	Ridgewood, N. J.
Ackley, Charles Wiley	Vineland, N. J.
Albritton, James Edmund	Hopkinsville, Ky.

- Aldridge, Julian McClees
 Ancrum, Calhoun, Jr.
 Bagwell, Larry Edward
 Ballenger, Charles Pendleton
 Bandel, Warren Edward
 Barnham, Ernest Dudley, Jr.
 Barron, John Henry
 Bart, Othmar Blasius
 Barwick, William James
 Baxter, Paul Preston Byron
 Bearse, Irving Wood
 Bell, John Samuel
 Bell, William Gowrie
 Bellaire, Richard Phillips
 Belue, Marion Walter
 Bender, Henry Schwehm
 Beneke, George Frank
 Benner, Robert Van Antwerp
 Bernstein, Elihu Bernard
 Bernstein, Jess
 Biddle, Robert Martin
 Binder, Warren Waldemar
 Bird, William Gibson
 Black, Harvey Bryan
 Black, James Carter
 Black, John Riley
 Boepple, Theodore Frederick Hans
 Bostock, James Franklin
 Bowen, Cawthon
 Bratzel, Fred Ernst
 Brauer, Alfred H.
 Brest, John Michael
 Brown, Albert Franklin
 Brown, Lester Ray
 Brumbach, Marion Rex
 Brumbach, William Keefer
 Bucher, Glenn Earnest
 Budd, Allen Clark
 Budd, Walter Pemberton
 Buice, William Thomas, Jr.
 Burford, Albert Lee, Jr.
 Burge, Robert, Jr.
 Butner, George Edwin
 Cady, Fred Clayton
 Cameron, Ross Biles
 Carl, George
 Carman, Harry Blaine
 Carver, John Winthrop
 Caton, William David, Jr.
 Durham, N. C.
 Quantico, Va.
 Raleigh, N. C.
 Greenville, S. C.
 Baltimore, Md.
 Newark, N. J.
 Poughkeepsie, N. Y.
 East Orange, N. J.
 Bay Shore, N. Y.
 Somerville, N. J.
 Hyannis, Mass.
 Charlotte, N. C.
 Odensburg, N. Y.
 Chicago, Ill.
 Gastonia, N. C.
 Germantown, Pa.
 Wheeling, W. Va.
 Bronxville, N. Y.
 Burlington, N. C.
 Bayonne, N. J.
 Parkersburg, W. Va.
 Leonia, N. J.
 Swarthmore, Pa.
 Durham, N. C.
 Durham, N. C.
 Bamberg, S. C.
 New York City
 Arlington, N. J.
 Nashville, Tenn.
 Havana, Cuba
 Cherrydale, Va.
 New York City
 Marshfield, Mass.
 Lykens, Pa.
 Nashville, Tenn.
 Belleville, N. J.
 Akron, N. Y.
 Chipley, Fla.
 Durham, N. C.
 Charlotte, N. C.
 Texarkana, Texas
 Westfield, N. J.
 Charlotte, N. C.
 Syracuse, N. Y.
 Rising Sun, Md.
 Poughkeepsie, N. Y.
 Bloomfield, N. J.
 Brooklyn, N. Y.
 Durham, N. C.

Chandlee, James Rush
 Cheek, Pratt, Jr.
 Clark, William Graves, Jr.
 Cleveland, Theron Clair, Jr.
 Cline, Roland Haines
 Coan, John Otts
 Cole, John Totterdale
 Combs, Gilbert Reynolds
 Conradi, Richard John
 Cooley, Edward William
 Cooper, Gerald Rice
 Courtnell, Paul Wilson
 Covington, Isaac Boyce, Jr.
 Crawford, William Gordon
 Crone, Roy Chester
 Cruikshank, Ernest
 Cummings, John Cotton
 Cunningham, William Kenneth
 Dailey, Carroll Osborne
 Daughtrey, William Richardson
 Davis, Walter Burke, Jr.
 Dearborn, James Andrew
 Demarest, Horace A., Jr.
 Dodd, Albert Sidney
 Dodd, Roberts K.
 Dortch, O. Lawrence, Jr.
 Douglass, Berkley Singleton
 Dunlap, Ernest B., Jr.
 Eberly, Charles Clyde
 Edmunds, J. Arnold
 Edwards, Charles William, Jr.
 Edwards, Malcolm Kramer
 Everhart, Wilson Christian
 Everitt, George Bain
 Ewell, Julian Johnson
 Ewing, Samuel Watson
 Failing, George Reed
 Fairchild, Albert Royal
 Farrell, Robert E.
 Ferguson, Gerald Wellington
 Flemister, Launce Johnson
 Ford, Joseph B., Jr.
 Foreman, Newton Blades
 Forrest, Russell John
 Funkhouser, Lewis Orrick
 Gabel, Frederick Daniel
 Gallup, Darwin Colburn
 Garriss, Walter Thomas
 Gent, Lawrence Louis

Gaithersburg, Md.
 Gainesville, Ga.
 Gloucester, Mass.
 Greenville, S. C.
 Haines City, Ia.
 Winston-Salem, N. C.
 Warren, Ohio
 Greenville, N. C.
 Irvington, N. J.
 Wheeling, W. Va.
 Durham, N. C.
 Chatham, Mass.
 Wadesboro, N. C.
 Detroit, Mich.
 Detroit, Mich.
 Raleigh, N. C.
 Detroit, Mich.
 Staunton, Va.
 Sussex, N. J.
 Newport News, Va.
 Greensboro, N. C.
 Warren, Ohio
 Jackson Heights, N. Y.
 Rome, Ga.
 Allentown, Pa.
 Columbia, Tenn.
 Ambler, Pa.
 Lawton, Okla.
 Chester, Pa.
 Youngstown, Ohio
 Durham, N. C.
 Scarsdale, N. Y.
 Lemoyne, Pa.
 Winnetka, Ill.
 Washington, D. C.
 Greenwich, N. J.
 Luke, Md.
 Glenside, Pa.
 Boston, Mass.
 Brewster, N. Y.
 Atlanta, Ga.
 Savannah, Ga.
 Elizabeth City, N. C.
 Bloomfield, N. J.
 Hagerstown, Md.
 White Plains, N. Y.
 Pittsfield, Mass.
 Margarettsville, N. C.
 Cold Spring, N. Y.

- Gerhart, Lewis Warren
 Getz, Howard Robert
 Gilbert, Bonn Arthur
 Ginn, Stephen Arnold
 Goodrich, Marvin Dibrell, Jr.
 Gordon, Harold
 Gouldman, Clyde Clements
 Gravett, Page Daniel
 Graves, Thomas Williams
 Gray, Edward Lee
 Greene, Johnnie Thomas
 Griffin, James Albert, Jr.
 Griffin, Richard Pearce
 Guinan, Clarence Joseph, Jr.
 Hairston, George
 Hale, Irvin Read
 Handy, Henry King
 Hardin, Henry Grady
 Harding, Alfred John
 Harkrader, Lacy Lakey
 Harris, Henry Laurens
 Hascall, Frank Lacy
 Hatch, James Mack, Jr.
 Hathorn, John Reynolds
 Hawks, Byron Lovejoy
 Hecht, Herbert Thomas Light
 Hendrickson, Horace James
 Hendrix, William Murray
 Henry, James Edward
 Herb, Thomas William
 Herndon, Claude Nash
 Heroy, John Newman
 Hiatt, Joseph Spurgeon, Jr.
 Hicks, Edward Jack
 Higgins, John Purcell
 High, Lewis Sneed
 Hinshaw, Seth Bennett
 Hippolitus, Vincent Paul
 Hodde, William Sabine
 Holman, Yerby Rozelle
 Holman, William C.
 Honeycutt, Murray
 Hood, John H.
 Horton, Richard Emmett
 House, Lundy Alvin
 Howard, Edward Thompson
 Hoyle, Enoch Marvin
 Huiskamp, William Logan
 Huling, Porter Brown, Jr.
 Philadelphia, Pa.
 Nazareth, Pa.
 Chevy Chase, Md.
 Royston, Ga.
 Petersburg, Va.
 Brooklyn, N. Y.
 West Point, Va.
 Alton, Va.
 Wilson, N. C.
 Durham, N. C.
 Durham, N. C.
 Baltimore, Md.
 Swarthmore, Pa.
 New Haven, Conn.
 Wenonda, Va.
 Greenfield, Mass.
 Plymouth, Mass.
 Van Wyck, S. C.
 New York City
 Dobson, N. C.
 Albemarle, N. C.
 Goshen, Ind.
 Charlotte, N. C.
 Ballston Spa, N. Y.
 New York City
 Bywood, Pa.
 Beaver Falls, Pa.
 Cookeville, Tenn.
 Nazareth, Pa.
 Wyomissing, Pa.
 Greensboro, N. C.
 White Plains, N. Y.
 Statesville, N. C.
 Kenilworth, Ill.
 Red Bank, N. J.
 Durham, N. C.
 Ramseur, N. C.
 New Haven, Conn.
 Highland Park, Mich.
 Memphis, Tenn.
 Albany, Ga.
 Lexington, N. C.
 Charlotte, N. C.
 Peekskill, N. Y.
 Knightdale, N. C.
 Lexington, Mass.
 Durham, N. C.
 Keokuk, Iowa
 Williamsport, Pa.

Hulme, John William
 Johnson, Rolf Elmo
 Jones, Richard Abner
 Kauffman, Sidney Lloyd
 Keator, Frederic Roggen
 Keith, Gilbert Lewis
 Kellmeyer, Fred Noval
 Kennedy, Robert James
 Kerekes, Bela George
 Kernodle, Harold Barker
 Killen, Arthur Houghton
 Kimbell, Isham, Jr.
 Kimmerle, Roy Charles
 Kleban, Theodore
 Kline, Charles Flint
 Klove, William Noah
 Knowlton, John Henry
 Kolb, Harvey Arthur
 Konopka, Al John
 Kramer, Donald Main
 Kraushaar, Lloyd
 Kunkle, Charles William, Jr.
 Kurtz, Harold Keller
 Laird, Raymond Winfield
 Lawson, Washington Branch
 Lee, Arthur Carl, Jr.
 Lemperly, Charles Loring
 Lewis, William Allen
 Liepschutz, Harold
 Lloyd, Fred Norwood
 Long, John Arthur
 Long, Robert Schofield
 Lowe, James Russell
 Lucas, Paul Warren
 MacQuarrie, Alan Mills
 McAninch, Richard D.
 McCall, Jimmy
 McCaskill, Samuel Gault
 McClain, John Robert
 McCrary, John Raymond
 McGillicudy, Cornelius A., Jr.
 McPharlin, Michael G. H.
 McQuade, Samuel George
 Maldeis, Howard James
 Mallard, Robert Lester
 Maness, Paul Franklin
 Mann, John Evans
 Mann, Oliver DeWitt
 Marion, Jeremiah Richard, Jr.
 Jackson Heights, N. Y.
 Harrisburg, Pa.
 Fountain Inn, S. C.
 Swarthmore, Pa.
 Wayne, Pa.
 Wilmette, Ill.
 Wheeling, W. Va.
 Hollis, N. Y.
 Jackson Heights, N. Y.
 Elon College, N. C.
 Flushing, N. Y.
 Northport, N. Y.
 Buffalo, N. Y.
 Carteret, N. J.
 Bay Village, Ohio
 Oak Park, Ill.
 Philadelphia, Pa.
 Congers, N. Y.
 Camden, N. J.
 Mt. Olive, N. C.
 Rochester, N. Y.
 Johnstown, Pa.
 Lebanon, Pa.
 Gulfport, Miss.
 Erwin, Tenn.
 Charlotte, N. C.
 Lakewood, Ohio
 Durham, N. C.
 Hudson, N. Y.
 Durham, N. C.
 Newell, N. C.
 Frankford, Del.
 Elon College, N. C.
 Durham, N. C.
 Upper Montclair, N. J.
 Marion, Ohio
 Oklahoma City, Okla.
 Camden, S. C.
 Philadelphia, Pa.
 Lexington, N. C.
 Germantown, Pa.
 Grand Rapids, Mich.
 Morristown, N. J.
 Baltimore, Md.
 Pollocksville, N. C.
 Snow Hill, N. C.
 Greenwood, Miss.
 Whitakers, N. C.
 Siloam, N. C.

- Marshall, Henry Wade
 Martin, Joseph Allison
 Martin, William Christian
 Mason, Herbert Alexandria
 Matthews, Robert Kennon
 Mazuy, Frank Elie
 Meacham, Franklin
 Meiklejohn, Robert, Jr.
 Mervine, Robert Charles
 Metcalf, Leland Edward
 Messick, James Bell
 Michael, David Arthur
 Miller, Robert Plato
 Montgomery, Alexander Brooks
 Moore, John Shelby
 Moorey, Ernest Thompson
 Morelock, George Leslie, Jr.
 Morris, Robert Moon
 Moser, Romer Folger
 Mossburg, Eugene Hyatt
 Mullen, Daniel Edward
 Naktenis, Peter Ernst
 Nanzetta, Leonard
 Nathanson, Norman
 Neuman, Carl Burr
 Newman, Glenn Carraway
 Newton, Orson Benjamin, Jr.
 Nickerson, John Hughes
 Nusbaum, Herbert Strassburger
 Nyce, Harry Cope
 Ogburn, Jean Winton
 Oliver, Edgar Joseph, Jr.
 Oliver, Fred Nash, Jr.
 Oliver, William H.
 Ormond, John Kern
 Ouzts, James Wilmer
 Owens, William Gligler
 Page, Hugh Alexander, Jr.
 Page, Jack Ward
 Paist, John Brooks, Jr.
 Palmer, David Waugh
 Parsons, Thomas Clayton
 Payne, Walter Price, Jr.
 Peck, Robert Lawrence
 Peck, Cecil McIntosh
 Perry, Clifford Webster
 Peterson, Warner G.
 Phipps, Roy Mangum
 Picaso, Don Alfred
- Asheville, N. C.
 Durham, N. C.
 Wilmington, N. C.
 Durham, N. C.
Japan
 Newton, N. J.
 Roberdale, N. C.
 Westfield, N. J.
 East Orange, N. J.
 Plainfield, N. J.
 Smyrna, Del.
 Nazareth, Pa.
 Lincolnton, N. C.
 Elizabethtown, Ky.
 Clarksburg, W. Va.
 Bridgeport, Conn.
 Nashville, Tenn.
 Philadelphia, Pa.
 Zebulon, N. C.
 Chevy Chase, Md.
 Brewster, Mass.
 Hartford, Conn.
 New York City
 Long Branch, N. J.
 Meriden, Conn.
 Clinton, N. C.
 Cambridge, Md.
 Chatham, Mass.
 Clarksburg, W. Va.
 Chester, Pa.
 Dover, Del.
 Savannah, Ga.
 Chevy Chase, Md.
 Port Monmouth, N. J.
 Durham, N. C.
 Marion, N. C.
 Clarksburg, W. Va.
 Clayton, N. C.
 Rowland, N. C.
 Lansdowne, Pa.
 Wheeling, W. Va.
 Altoona, Pa.
 Milford, Conn.
 Binghamton, N. Y.
 West Palm Beach, Fla.
 Winston-Salem, N. C.
 Willoughby, Ohio
 Rocky Mount, N. C.
 Brooklyn, N. Y.

- Piper, Richard Clay, Jr.
 Pittman, DeWitt Kenneth
 Polack, Ernest Henry II
 Porreca, Nicholas Francis
 Potter, Elisha Lindsay, Jr.
 Powell, Joseph Gilpin
 Powell, Rufus Heflin III
 Puryear, Alan Christian
 Rague, James Thomas II
 Raisley, Willard Ausbon
 Rankin, James Whiten
 Rathbun, Ranson Pratt
 Ray, Kelvin
 Reavis, William Farrell, Jr.
 Reed, John Ford
 Richardson, George Douglas
 Roberts, George Berry
 Roberts, William Howard
 Robinson, Henry Schroder
 Rockett, Ralph Leon
 Ross, John Stevenson
 Rosser, Morgan David
 Roush, Harry
 Runner, Earle Irving II
 Rushmer, Robert Holyoke
 Russell, Philip Mosely
 Rutherford, Robert Thornton, Jr.
 Sager, William A.
 Saleeby, Boheeg David
 Satterfield, Frank Griffin, Jr.
 Scattergood, Eugene Robert
 Scelza, Joseph
 Schaeffer, Edwin H.
 Schafer, Daniel Bird
 Schminke, Herbert Theodore
 Schneeweiss, Carl Herman
 Schuerman, Emil Lee
 Schuhr, Harry Charles, Jr.
 Shanks, Curtis O'Neal
 Shields, John Wunderling
 Shortell, John Joseph
 Shrapnel, Bliss Calcliffe
 Siceloff, William Covington
 Simpson, Paul Ervin
 Sinclair, Charles Thomas, Jr.
 Sizemore, Frank Julian
 Smith, Caleb VanWyck
 Smith, Edward Walton
 Smith, John Ellis, Jr.
 Ridgewood, N. J.
 Morven, N. C.
 York, Pa.
 Gardner, Mass.
 Wilmington, N. C.
 Moorestown, N. J.
 Durham, N. C.
 Washington, D. C.
 Queens Village, N. Y.
 Sharon Hill, Pa.
 Gastonia, N. C.
 South Orange, N. J.
 Brewster, N. Y.
 Waycross, Ga.
 Havorford, Pa.
 Ashland, Ky.
 Frankfort, Ky.
 Brooklyn, N. Y.
 Upper Montclair, N. J.
 Gastonia, N. C.
 Queens Village, N. Y.
 Berwick, Pa.
 Winston-Salem, N. C.
 Wheeling, W. Va.
 Johnson City, N. Y.
 Durham, N. C.
 Charlotte, N. C.
 Hagerstown, Md.
 Salisbury, N. C.
 Durham, N. C.
 Burlington, N. J.
 Elmont, N. Y.
 Roselle Park, N. J.
 Fort Wayne, Ind.
 Glen Rock, N. J.
 Clifton, N. J.
 Leonardo, N. J.
 Buffalo, N. Y.
 Dothan, Ala.
 Bethlehem, Pa.
 Hartford, Pa.
 Balboa Hts., Canal Zone
 High Point, N. C.
 Glen Rock, N. J.
 Carthage, N. C.
 High Point, N. C.
 Rockville Centre, N. Y.
 Memphis, Tenn.
 Cooleemee, N. C.

- Smith, Thornton Beckham
 Smithdeal, William Travis, Jr.
 Snellgrove, Harold Sinclair
 Somers, Frank Colton III
 Speicher, George Franklin
 Stallings, Edgar Robert
 Stallings, Oscar Grant
 Stanbury, John Bruton
 Steenland, Martin
 Stritzinger, Theodore Leopold
 Stroud, George Merritt
 Swiger, Ernest Cullimore
 Tabb, Horace English
 Tarrall, Elmer
 Taylor, Henry Liles
 Taylor, Herbert Gelfrey
 Taylor, Hugh
 Taylor, Ralph Albert
 Terry, Harold Knight
 Thomas, Roy Zachariah, Jr.
 Thompson, Herbert Owen
 Thompson, James Alpheus
 Thompson, Hayden Neal
 Timberlake, Joe Elmore
 Townsend, Curtis William
 Trainor, Joseph Allen, Jr.
 Trakas, Sam Andrew
 Turnbach, Thomas John
 Turner, William W., Jr.
 Turpit, William James
 Vales, Carlos
 Vann, Robert R.
 Venning, William Lucas, Jr.
 Wagner, Benjamin Carver
 Walker, Austin William
 Walker, LeRoy Lawrence, Jr.
 Walsh, Charles Henry
 Walsh, Robert Eugene
 Warren, Charles Ransom
 Washer, Chandler Coates, Jr.
 Wauters, John William
 Weathers, Henry Lee
 Webb, Harmon Mears
 Webb, John Maurice
 Weinheimer, Jack Anthony
 Weinstein, Nathan Irving
 Weintz, Walter Henry
 Wentz, Earle Jerry, Jr.
 Wesselhoft, Carl Rudolph
 Durham, N. C.
 Richmond, Va.
 Montgomery, Ala.
 Haddonfield, N. J.
 Rockwood, Pa.
 Augusta, Ga.
 Augusta, Ga.
 Durham, N. C.
 Palisades Park, N. J.
 Norristown, Pa.
 Chester, Pa.
 Clarksburg, W. Va.
 Elizabethtown, Ky.
 Norfolk, Va.
 Statesboro, Ga.
 Oxford, N. C.
 Springfield, Mass.
 Summit, N. J.
 Bahama, N. C.
 Rock Hill, S. C.
 Washington, D. C.
 Washington, D. C.
 Miami, Fla.
 Columbia, S. C.
 Port Richmond, N. Y.
 High Bridge, N. J.
 Gastonia, N. C.
 West Pittston, Pa.
 Montclair, N. J.
 Hastings, Neb.
 Yucatan, Mexico
 Waycross, Ga.
 Greensboro, N. C.
 Hanover, Pa.
 Worcester, Mass.
 Philadelphia, Pa.
 Burlington, Iowa.
 Elmira, N. Y.
 Chatham, Va.
 Maplewood, N. J.
 Bayonne, N. J.
 Shelby, N. C.
 Philadelphia, Pa.
 Durham, N. C.
 Sea Bright, N. J.
 St. Augustine, Fla.
 Austinville, Va.
 Schoolfield, Va.
 Bay Shore, N. Y.

Whitaker, Charles Stanley	Brooklyn, N. Y.
White, George Edward, Jr.	Bradenton, Fla.
White, James Russell	Cohoes, N. Y.
Whiting, Herbert Griffin	Mountain Lakes, N. J.
Whitley, Robert Macon, Jr.	Stantonsburg, N. C.
Wildnauer, Fred August	East Orange, N. J.
Williams, Cecil Anderson	Chicago, Ill.
Williams, George Hughlett	Baltimore, Md.
Williams, George Harrison	Petersburg, Va.
Williams, Melvin John	Durham, N. C.
Williams, William Anderson	Rockville, Md.
Wilson, Alexander Gray	Indiana, Pa.
Wilson, Edwin Sherwood	Roseland, Va.
Winton, Ernest Avery	Miami Beach, Fla.
Wiseman, Allen James	Buffalo, N. Y.
Woltz, Sidney	Weehawken, N. J.
Woltz, William Kingsbury	Gastonia, N. C.
Wood, Ernest Harvey	New Bern, N. C.
Woodruff, William Eggleston	Winston-Salem, N. C.
Woolsey, Frank Mahlon	Hancock, N. Y.
Woolf, Herbert Melvel	Providence, R. I.
Wren, James Clay	Siler City, N. C.
Wright, A. Lyman, Jr.	Williamsport, Pa.
Wright, Fred Christian, Jr.	Hagerstown, Md.
Wright, Harry Bushey, Jr.	Preston, Md.
Wright, John Malcolm	Westfield, N. J.
Yelverton, William Norman	Eureka, N. C.
Zehnder, Charles Walter, Jr.	Bellevue, Pa.

JUNIOR CLASS

Abell, James Guy	Smithfield, N. C.
Abugel, Michael	Norwich, Conn.
Allardice, James Barclay	Mountain Lakes, N. J.
Allen, Ralph Waldo, Jr.	Brewster, Mass.
Anderson, Charles Albert	Winchester, Va.
Anderson, Glenn Ellwood	Asheville, N. C.
Anderson, Norman LaRue	Durham, N. C.
Archbold, Ronald Walter	Cleveland, Ohio
Armstrong, Clarence William	Washington, D. C.
Armstrong, Warren Putnam	Fort Bragg, N. C.
Artley, Will Harmon, Jr.	Savannah, Ga.
Atkins, John Leslie, Jr.	Durham, N. C.
Atkinson, Richard J.	Elkin, N. C.
Baer, George J.	Harrisburg, Pa.
Bangle, F. Dowd	Charlotte, N. C.
Barnes, Sam Innis	Mine Run, Va.
Baughman, Paul H.	Hendersonville, N. C.
Beatty, Charles David	Pittsburgh, Pa.
Beebe, David M.	New London, Conn.

- Beilin, William G.
 Beville, Stuart McGuire
 Elair, Joseph Reese
 Boone, Sidney Grant
 Boyd, Robert A., Jr.
 Boyd, Robert Edwin
 Brandon, J. Marx, Jr.
 Brennan, James Joseph, Jr.
 Brewster, James Pendleton
 Bridgers, Everett R.
 Brillinger, Joseph Groff
 Britton, O. C., Jr.
 Burke, William Miller
 Canipe, Walter G.
 Casper, Phil Wilson
 Cayer, David
 Chalk, Skinner Ambrose
 Cheely, James
 Clarke, Randolph Thornton
 Coffman, Guy Middleton
 Conrad, Walter Eugene, Jr.
 Coone, Lon Albert
 Cordray, William Henry
 Crawley, Frank Richard
 Crist, Bertrand Robert
 Dailey, Fred Dixon
 Dale, Charles Shelby
 Dameron, William H.
 Davis, Howard Copley
 Dein, Morris
 Demme, Robert Eugene
 Doty, Roy A.
 Dovey, Charles S., Jr.
 Downing, Jere Robert
 Duncan, Robert Putnam
 Edmondson, Louis Harris
 Edwards, Dan
 Ethridge, William Carl
 Everhart, Edgar Shuman, Jr.
 Exum, W. A.
 Farrington, Joe Allison, Jr.
 Feierabend, Robert F.
 Few, Lyne Starling
 Fleisher, Robert Paul
 Fleming, Stuart Swope
 Garrison, John Leland
 Gibson, James Edwin
 Givens, Ralph Pearson
 Goldberg, Alvin Jack
 New York City
 Blackstone, Va.
 Troy, N. C.
 Drum Hill, N. C.
 Beckley, W. Va.
 Geneva, N. Y.
 Catawba, N. C.
 Philadelphia, Pa.
 Newnan, Ga.
 Wilson, N. C.
 York, Pa.
 Durham, N. C.
 Meriden, Conn.
 Alexis, N. C.
 Pittsburgh, Pa.
 Elizabeth, N. J.
 Morehead City, N. C.
 Williamsburg, Ky.
 Hertford, N. C.
 Williamson, W. Va.
 Lexington, N. C.
 Marion, N. C.
 Philadelphia, Pa.
 Dalton, Ga.
 Altoona, Pa.
 Sussex, N. J.
 Portsmouth, Ohio
 Warrenton, N. C.
 Leland, Idaho
 Atlantic City, N. J.
 Oceanside, L. I., N. Y.
 Rogersville, Tenn.
 Overbrook, Phila., Pa.
 Kennebunk, Maine
 Freedonia, N. Y.
 Eatonton, Ga.
 Durham, N. C.
 Kinston, N. C.
 Lemoyne, Pa.
 Snowhill, N. C.
 Cooleemee, N. C.
 Poughkeepsie, N. Y.
 Durham, N. C.
 Hartford, Conn.
 Columbia, Tenn.
 Durham, N. C.
 Columbia, S. C.
 Abington, Pa.
 Augusta, Ga.

Gorton, Charles Worthington	Providence, R. I.
Grabbe, Eugene	Johnstown, Pa.
Graf, Charles F.	Baltimore, Md.
Grant, James Bynum, Jr.	Andrews, S. C.
Haley, Willard George	Punxsutawney, Pa.
Hanger, McCarthy	Bala, Pa.
Hardy, Leonard Rackard	Highlands, N. J.
Harkness, Blaine Rogers	Oxford, Pa.
Harman, Smith Samuel	Salford, Pa.
Hastings, Walter D., Jr.	Columbia, Tenn.
Hatch, Davis, Jr.	Needham, Mass.
Haydock, Homer Hollis	Salem, Mass.
Heffelfinger, Robert J.	Scranton, Pa.
Helm, James Pendleton III	Louisville, Ky.
Henderson, David Henry	Charlotte, N. C.
Herbert, Richard Carl	Harrisburg, Pa.
Heritage, Jack Jaynes	Winston-Salem, N. C.
Herring, William Delvin, Jr.	Burgaw, N. C.
Higgins, Charles Ashley	Beckley, W. Va.
Hoover, David C.	North Canton, Ohio
Howell, Edward Arthur	Goldsboro, N. C.
Howell, John G.	Thomson, Ga.
Howland, Walter Addis	Montclair, N. J.
Hoyle, Robert Turner	Durham, N. C.
Hunter, John Sidney	West Reading, Pa.
Hyde, Arnout Cannon	Poughkeepsie, N. Y.
Ivie, Joe M.	Leaksville, N. C.
Jester, Arthur Mannering	Winston-Salem, N. C.
Jester, Joseph Richardson	Alexandria, Va.
Johnson, Paul Rowe	Attleboro, Falls, Mass.
Jones, Frank Brooks	Mayfield, Ky.
Julian, Lloyd Price	Durham, N. C.
Kadie, Frank R.	Chevy Chase, Md.
Keesee, Woodfin	Helena, Ark.
Keller, Albert Freed	Norfolk, Va.
Kelley, William Arlington	Waycross, Ga.
Keown, Robert Millan	Harrisburg, Pa.
Kincheloe, Robert Lee	Clarksburg, W. Va.
Kirby, Davis Clark, Jr.	Trappe, Md.
Kirk, Philip Moore	Mocksville, N. C.
Klayer, George Edward	New Gardens, L. I., N. Y.
Kmetz, John Richard	Sharon, Pa.
Kneipp, Robert E.	Washington, D. C.
Koenig, Henry Adolph	Baltimore, Md.
Lacks, Samuel Leonard	Pinehurst, N. C.
Lamb, Harold L.	Bluefield, W. Va.
Landon, Francis Rodman	Clinton, N. C.
Lehr, Clarence Garfield	Baltimore, Md.
Leitner, Kermit Landis	Harrisburg, Pa.

Lennox, John Charles	Savannah, Ga.
Lineberger, Sheril Mundy	Shelby, N. C.
Livengood, Norman	Durham, N. C.
Long, William H.	Somerville, N. J.
Macfarlane, Graham, Jr.	Asheville, N. C.
McLain, Ralston, Jr.	Swarthmore, Pa.
McNeil, Donald Gerard	Bradley Beach, N. J.
Marks, Morris Steinberg	Augusta, Ga.
Martin, John Allison	Lake Forest, Ill.
Martin, James Burwell	Durham, N. C.
Mattocks, Theodore Roosevelt	Maysville, N. C.
May, Reynolds	Dothan, Alabama
Midgett, Robert Hultz	Manteo, N. C.
Miller, Harry Lawrence	Chattanooga, Tenn.
Miller, Henry Meyer	Harrisburg, Pa.
Miller, Stuart Forshay	Caldwell, N. J.
Mitchell, Doyce Thomas	Gadsden, Ala.
Monroe, Cleveland Hungeford	Hempstead, N. Y.
Moorhead, John Lynne	Sunbury, Pa.
Morrill, Joseph Collier	Charlotte, N. C.
Morse, William Jordan	Attleboro, Mass.
Morton, Henry George	Sarasota, Fla.
Moseley, Carlos DuPre	Spartanburg, S. C.
Munson, Henry T.	Detroit, Mich.
Murchison, Alton Guthrie	Fayetteville, N. C.
Mustard, James Abram, Jr.	Montclair, N. J.
Newsom, James L.	Durham, N. C.
Nixon, Robert Pleasants	Rome, Ga.
Nordstrom, Orrin B.	Flushing, N. Y.
O'Connell, John Belton, Jr.	Fort Bragg, N. C.
Oswald, James Lawton, Jr.	Allendale, S. C.
Pace, William Heck, Jr.	Chevy Chase, Md.
Pankey, William Allen, Jr.	Bluefield, W. Va.
Pearson, George Albert, Jr.	Chicago, Ill.
Phillips, Robert Stanley	York, Pa.
Pimper, Theodore Denham	Chevy Chase, Md.
Powell, Robert Calvin	Lenoir, N. C.
Prindle, Harrison	Washington, D. C.
Pruner, Harold Wellesbury	Litchfield, Conn.
Rahall, N. Joe	Beckley, W. Va.
Ranger, John	Lynn, Mass.
Reichman, Alexander Alfred	Washington, D. C.
Revercomb, Everett Eugene	McLean, Va.
Reynolds, Alphonzo Curry	Asheville, N. C.
Rhyné, Charles Sylvanus	Durham, N. C.
Rigsby, Robert Leslie	Washington, D. C.
Rink, James Edward	Winston-Salem, N. C.
Roebuck, Maurace Edward	Hot Springs, Ark.
Rogers, Thomas Tinsley	Hinton, W. Va.

Rogol, Sam
 Rossiter, Harry S., Jr.
 Rouse, W. Dorland
 Ruby, Ellison Averill
 Ruff, Nathan Carl
 St. Clair, Charles Thomas, Jr.
 Sachs, James Wilbur
 Sandell, Stanley C.
 Sapp, James Everett, Jr.
 Sawyer, Logan Everitt
 Schanher, Paul W., Jr.
 Schieferly, Joseph Steven, Jr.
 Scott, Charles Ernest
 Scribner, Harry K.
 Sergi, Vincent
 Severance, Harry Wells
 Sharp, Thomas Kendrick
 Shore, Philip Linus, Jr.
 Silver, William S.
 Sisk, Beatie Avery
 Slaughter, Thomas Foster, Jr.
 Smith, Edwin Whitman
 Smith, Fred George
 Smith, Richard Austin
 Smith, Thomas Walter
 Squires, Leslie Albion
 Stanley, Allen Edward, Jr.
 Stauffer, Henry Brooke
 Stevens, Arthur Grant, Jr.
 Stewart, Donald Albert
 Stillman, John Hastings
 Stoneburner, Clifton G.
 Storm, Bayard H.
 Storms, Richard Edward
 Styers, James Henry
 Summers, Joseph Blade
 Taylor, Robert Rives
 Thomas, Robert Russell, Jr.
 Thompson, William, Jr.
 Thornhill, Edwin Hale
 Tice, Paul M.
 Townley, Julian Gordon
 Trent, Joe Charles
 Turner, John Norman, Jr.
 Turner, Larry
 Tyler, Samuel Gwathney
 Viol, Jackson McChesney
 Voris, Jacques Van Brunt
 Wade, Robert Clark

Williston, S. C.
 Abington, Pa.
 Williamsport, Pa.
 Jenkintown, Pa.
 Woodmere, N. Y.
 Punxsutawney, Pa.
 Hancock, Md.
 Brockton, Mass.
 Albany, Ga.
 South Mills, N. C.
 Mt. Clemens, Mich.
 Bloomfield, N. J.
 Greensboro, N. C.
 Canton, Ohio
 San José, Cal.
 Lake City, S. C.
 Black Mountain, N. C.
 Greensboro, N. C.
 New York City
 Durham, N. C.
 Washington, D. C.
 Norway, Maine
 New York City
 Clarksburg, W. Va.
 Hopkinsville, Ky.
 San José, Cal.
 Greensboro, N. C.
 Washington, D. C.
 Greenwood, Miss.
 Elizabeth, N. J.
 Troy, N. Y.
 Rosslyn, Va.
 Charlotte, N. C.
 Oradell, N. J.
 Winston-Salem, N. C.
 Wilkinsburg, Pa.
 Elizabeth City, N. J.
 Oak Hill, W. Va.
 New Bedford, Mass.
 Bluefield, W. Va.
 Williamstown, N. J.
 Ronceverte, W. Va.
 Okmulgee, Okla.
 Creedmoor, N. C.
 Rocky Mount, S. C.
 Roanoke, Va.
 South Orange, N. J.
 Hempstead, N. Y.
 East Orange, N. J.

Wadsworth, Raymond Harry	East Orange, N. J.
Waggoner, John Philip, Jr.	Charlotte, N. C.
Wagner, Bernard A.	New Oxford, Pa.
Wagner, Tyrus Irwin	West Fairview, Pa.
Walker, William Torrey, Jr.	Moorestown, N. J.
Ward, George W.	Bradenton, Fla.
Watkins, George Patten	New Rochelle, N. Y.
Weaver, Charles Baker	Lansing, N. C.
Weems, Benjamin Burch	Korea
Wells, Warner Lee	Raleigh, N. C.
Welsh, Barnard Talbott	Rockville, Md.
West, Walter Brownlow	Albemarle, N. C.
Wharton, George Willard, Jr.	Upper Montclair, N. J.
White, Bart N.	Murfreesboro, Tenn.
Wigley, Arthur Browning	Durham, N. C.
Wikoff, David Ellsworth	Atlanta, Ga.
Wilhelm, Charles Leo	Salisbury, N. C.
Williams, John Howard	Providence, R. I.
Williams, Martin Braxton	Richmond, Va.
Williams, Marvin, Jr.	Marietta, Ga.
Willis, Harry Clay	Wilson, N. C.
Wilson, John Woodrow	Durham, N. C.
Winn, Paul Rutherford	Ventnor, N. J.
Winstead, Luther Voight	Washington, D. C.
Woodall, John Burwell	Fayetteville, N. C.
Woodruff, George Edwon	Orange, Conn.
Young, Charles Holt	Raleigh, N. C.
Young, Gorman Pearce	New York City

SENIOR CLASS

Abbott, Kenneth Gee	New Eagle, Pa.
Abraham, James Edgar	Uniontown, Pa.
Allen, Frank Brown	Warrenton, N. C.
Apple, William Elisha	Greensboro, N. C.
Atkinson, Hal Witherspoon	Wadesboro, N. C.
Baird, Thomas Frederick	Swarthmore, Pa.
Bane, John Charles	Washington, D. C.
Batson, Arthur William	Brockton, Mass.
Bennett, Elmer Shaner	Crafton, Pa.
Bernardo, James Vincent	New Haven, Conn.
Bird, John Macbeth	Durham, N. C.
Bird, Robert Macbeth	Durham, N. C.
Black, Kyle Emerson	Landis, N. C.
Bleuit, Frederick Storey	Philadelphia, Pa.
Boardman, Elbridge Henry	Fair Haven, N. J.
Boreman, John George	Bronx, N. Y.
Bosley, Stewart	Marietta, Ohio
Boyles, Clyde Franklin	Paducah, Ky.
Brackbill, Albert Landis	Gap, Pa.

Brister, Wilbur Lee	Petersburg, Va.
*Brownlee, John Hubert	Philadelphria, Pa.
Bryce, John	Richmond, Va.
Bunch, Charles Pardue	Statesville, N. C.
*Burgess, Sherman Everett	Old Trap, N. C.
Burling, Edwin Godfrey	Washington, D. C.
*Butler, Robert Turner	Norfolk, Va.
*Byrd, William Talmage	Glen Alpine, N. C.
*Campbell, Willis	Stoneville, N. C.
Carlson, Gustaf Alfred, Jr.	East Haven, Conn.
*Cook, Ralph Harrison	Greensboro, N. C.
Corell, Paul Frederick	Shaker Heights, Ohio.
Correll, Donovan Stewart	Winston-Salem, N. C.
Cox, John Benjamin, Jr.	Birmingham, Ala.
Cox, Robert Calvin	Vernon, Texas
Craven, Eli Baxter, Jr.	Snow Hill, N. C.
*Crowley, Cameron Joseph	White Plains, N. Y.
Dalton, Robert Hatcher	Holland, Va.
Decker, Arthur Gilbert	Tottenville, N. Y.
Derrick, Charles Campbell	Stockbridge, Mass.
Dilworth, George Franklin	Upper Darby, Pa.
Dilworth, Paul Erdman	Upper Darby, Pa.
Dorsett, Lewis Howard	Mt. Gilead, N. C.
Drummond, David Donald	Greer, S. C.
Dunston, Charles Jordan	Norfolk, Va.
Dupuy, Samuel Stuart	Beckley, W. Va.
*Duttera, Wayne Bradford	Salisbury, N. C.
Engle, Frank Wesley, Jr.	Russell, Pa.
Eubank, Hampton F.	Hudgins, Va.
*Faris, Clinton Morehead	Durham, N. C.
Finger, Thomas L.	Maiden, N. C.
Foster, Clarence Turner	Carbondale, Pa.
*Fowler, James Wiley	Monroe, N. C.
French, Robert Gibson	Oak Park, Ill.
*Fretwell, Sam J.	Anderson, S. C.
Gallo, Albert Andrew	North Braddock, Pa.
Ganz, Louis Allan	Lawrence, Mass.
Garren, Kenneth Howard	Hendersonville, N. C.
Gearhart, William Mellinger	Cumberland, Md.
Gecenok, Morris	Salem, N. J.
Gerkens, Fred William	Atlantic Highlands, N. J.
Getzendanner, Joseph Winton, Jr.	Baltimore, Md.
Givens, John William	Abington, Pa.
Goudie, Aubrey Goss	Pen Argyle, Pa.
Grant, Nicholas Warnum	Garysburg, N. C.
Gregg, Guy Kingsbury	Weston, W. Va.
Gregory, Claiborne B.	Durham, N. C.
*Hahn, Philip Vocke	Toledo, Ohio

* Completed requirements for graduation in Summer School, 1933.

Hall, Edgar M., Jr.	Lillington, N. C.
Hamrick, John Martin	Gaffney, S. C.
Harloff, Werner Bernard	Springfield Gardens, N. Y.
Heidelberg, Dan Hawkins	Hattiesburg, Miss.
*Helms, Grady Thomas	Monroe, N. C.
Herbert, Russell Conrad	Hagerstown, Md.
*Herrick, Edward French	Asheville, N. C.
Hicks, Robert Denmark	Florence, S. C.
Hilton, Homer, Jr.	Binghamton, N. Y.
Honeycut, Allison Wilson, Jr.	Lexington, N. C.
Hopkins, John Isaac	Nokesville, Va.
Hosea, Rufus Haywood	Pikeville, N. C.
Humphreys, Charles Raymond	Chestertown, Md.
Ireland, Russell Samuel	Collingswood, N. J.
Jackson, Thirston Henry	Oaklyn, N. J.
Jagger, Henry Halsey	Westhampton, N. Y.
*Jones, George Newton Walters	Durham, N. C.
Josten, Thomas Hadley	Owatouno, Minn.
*Junkin, John Edward	Mercer, Pa.
Keith, John Caddell	Wilmington, N. C.
Keller, John H.	China Grove, N. C.
Kent, Raymond Lombard	Cedarhurst, N. Y.
Kepnes, Harold Arthur	Chelsea, Mass.
*Kersey, Arthur Thomas	Somerville, Mass.
Kerson, Nathan Aaron	Brooklyn, N. Y.
Kinter, Bernard Prugh	Dayton, Pa.
Kohler, Richard Edward	York, Pa.
Lamar, George Holt, Jr.	Rockville, Md.
Lamm, Porter Plummer	Wilson, N. C.
Lang, William Kenneth	Pittsburgh, Pa.
Lawver, George Truesdale	Greenfield, Mass.
Lee, Martin	Charlotte, N. C.
Lillaston, John Bacon	Blackstone, Va.
Long, John Cordnes	W. New Brighton, N. Y.
Lucas, Basil H.	Shinniston, W. Va.
Lybrook, William Reynolds	Advance, N. C.
Lynch, George Ernest, Jr.	Matick, Mass.
MacDonald, Harry John	Durham, N. C.
McCracken, Joseph Pickett	Durham, N. C.
Marcks, Carl Arthur	Nazareth, Pa.
Markham, Thomas Carl, Jr.	Durham, N. C.
Martin, Russell Penn	Jamesville, N. C.
Maxson, Joseph Bailey	Atlantic Highlands, N. J.
Means, Albert Bleckley, Jr.	Wynnewood, Pa.
Merritt, Daniel Tatum	Newport News, Va.
Midyette, Thomas Gray	Jackson, N. C.
Miller, Murry Augustine	Portsmouth, Va.
Moore, DeArmond	Charlotte, N. C.

* Completed requirements for graduation in Summer School, 1933.

Morefield, Robert Lee
 Mosenson, William
 Neu, Frederick Wilson
 Newsom, M. E., Jr.
 Nixon, Edward Adamson
 Nutt, James Freeman
 O'Connor, Dennis Leo, Jr.
 Onisko, Vincent John
 Otis, James Orin
 *Owen, Henry Blumer
 Owen, Jack Alvin
 *Patten, Lawrence
 *Peake, James R., Jr.
 Pease, Edson Morgan D.
 Peckham, John Walk
 Pettigrew, James Alexander
 Phibbs, Andrew Frank, Jr.
 Phillips, Clarence Eugene, Jr.
 Pratt, Ellis Carl
 Rankin, Charles Wesley
 Ray, Leonard John
 Ricks, George Harriss
 *Ripley, Wilder Harding
 Ross, Ira Stanley
 *Roth, Ralph Raymond
 Rowe, Francis Turner
 Ryan, John Austin
 Sapp, Robert Wall
 Saylor, Edwin Neil
 Schaffer, John Cornell
 *Schnure, Howard Hopkins
 Schock, Carl Frederick
 Scott, Hoyle Utley
 Scoville, Warren Candler
 Settlemyer, Claude Harold
 Shackford, Joseph Temple
 Sharpless, John Harold
 Sides, LeRoy
 Sippel, John Parker
 Skinner, Alton, Jr.
 Smith, Burke McGuire
 *Smith, Carlton Sexton
 Southerland, Oswell Proctor
 Starratt, Andrew Wilbur, Jr.
 Stevens, Melvin Davis
 *Stevenson, Matthew Bradley
 *Stith, Frank Albert
 Sullivan, Jake W., Jr.

Winston-Salem, N. C.
 Pittsburgh, Pa.
 Leonardo, N. J.
 Durham, N. C.
 Rome, Ga.
 Melrose, Mass.
 Marmaroneck, N. Y.
 Sag Harbor, N. Y.
 Durham, N. C.
 Key West, Fla.
 Bristol, Tenn.
 Fayetteville, N. C.
 Norfolk, Va.
 Providence, R. I.
 St. Albans, N. Y.
 Florence, S. C.
 Greensboro, N. C.
 Durham, N. C.
 Winston-Salem, N. C.
 China Grove, N. C.
 Brewster, N. Y.
 Concord, N. C.
 Winnetka, Ill.
 Newark, N. J.
 Jacksonville, Fla.
 Hillsboro, Md.
 Milan, Mich.
 Albany, Ga.
 Parkersburg, W. Va.
 New Rochelle, N. Y.
 Selingsgrove, Pa.
 New Rochelle, N. Y.
 Durham, N. C.
 Greenville, N. C.
 Kannapolis, N. C.
 Charlotte, N. C.
 Lansdowne, Pa.
 Statesville, N. C.
 Baltimore, Md.
 Durham, N. C.
 Durham, N. C.
 Danville, Va.
 Durham, N. C.
 Chevy Chase, Md.
 Brockton, Mass.
 New York City
 Winston-Salem, N. C.
 Anderson, S. C.

* Completed requirements for graduation in Summer School, 1933.

Talley, John Riley	Jackson, Ala.
*Teague, Hillery Burton	Weaverville, N. C.
Thomas, Horace Gause	Whitford, Pa.
Tilley, Charles Johnson, Jr.	Durham, N. C.
Troxler, Eulyss Robert	Greensboro, N. C.
Tunnell, Ross Augustus, Jr.	Oak Grove, Ala.
Upchurch, Murray Holmes	Durham, N. C.
Vanhoy, Joseph Milton	Charlotte, N. C.
Watson, George Archibald, Jr.	Cranford, N. J.
Weaver, Philip Johnson	Winston-Salem, N. C.
White, Allen Storey	Springfield, Mass.
Wikingstad, Walter Knut	Cristobal, Canal Zone
Wilcox, Ward Manley	Louisburg, N. C.
Williams, Glenn Davis	Fayetteville, Tenn.
Wilson, John MacMillan	Ben Avon, Pa.
Wilson, Robert North, Jr.	Durham, N. C.
Wonsidler, Willis R.	Trumbauersville, Pa.
Wood, Robert Lewis	Grand Rapids, Mich.
*Woods, Hubert Taylor	Durham, N. C.
Wright, John D.	Blackstone, Va.
Zeren, Joseph John	Canton, Ohio

SPECIAL STUDENTS

Campbell, John Wood	New York City
Davies, Ogden Roland	Erie, Pa.
Drakeford, William White	Durham, N. C.
Ershler, Arthur Manuel	Hudson, N. Y.
Hough, Thomas Bryant	McFarlan, N. C.
Howard, William Kenneth	Manchester, N. C.
Klein, James Raymond	Baltimore, Md.
Oden, Wilbur Penn	Durham, N. C.
Patrick, Benjamin Moore	Bahama, N. C.
Persons, Walter S.	Durham, N. C.
Smart, G. Ford	Troy, Ala.
Tatum, William Gilchrist, Jr.	McColl, S. C.
Whitsett, Wesley Gavin	Selma, Ala.

THE WOMAN'S COLLEGE

FRESHMAN CLASS

Abel, Emily Regina	Scarsdale, N. Y.
Adams, Bette	West Hartford, Conn.
Adams, Dorothy Anna	Wilkes-Barre, Pa.
Adams, Ellen O'Neal	Macon, Ga.
Adams, Ruth Mildred	Esterly, Pa.
Akin, Sarah Elizabeth	South Orange, N. J.
Alcorn, Florence Winifred	Hershey, Pa.

* Completed requirements for graduation in Summer School, 1933.

Alexander, Faith
 Allen, Vivien Edith
 Anderson, Marie Willard
 Armstrong, Mina Gary
 Assenheimer, Marie Mabel
 Atkinson, Sarah Elizabeth
 Auld, Mary Elizabeth
 Bagley, Marianna Dosch
 Baldwin, Margaret Louise
 Bartlett, Dorothy Neale
 Bassett, Floy Paula
 Bateman, Alice Cynthia
 Beebe, Jean Kirkland
 Beneker, Marianne Lydia
 Berkey, Lois Irene
 Bowen, Elizabeth Walton
 Boyd, Anna Locke
 Boyd, Jean Stuart
 Brown, Margery
 Buchanan, Dorothy Elaine
 Buehler, Lucille Margaret
 Burger, Josephine Terry
 Bussell, Wilsie Florence
 Campbell, Hannah Elizabeth
 Carlton, Frances Lowe
 Carrigan, Margaret Helen
 Carver, Eleanor Meredith
 Chalker, Annie Laura
 Chapman, Mary Westbrook
 Childs, Frances Mabel
 Clark, Gwendolyn Greer
 Clarke, Claire Belle
 Cline, Gwendolyn
 Coffey, Marion Elizabeth
 Cole, Dorothy Proctor
 Cooper, Marie Adelene
 Craven, Isobel
 Crosby, Esther
 Crum, Emilie Wannamaker
 Culbertson, Martha Jane
 Dana, Rhea Eleanor
 Daniel, Barbara
 Davis, Dorothy Ames
 Day, Donna Margaret
 Day, Doris Maude
 Decker, Edna Lynette
 Deininger, Janet Hausman
 Draughon, Rosa Lee
 Duckett, Sara Brock
 Cocomat Grove, Fla.
 Elmsford, N. Y.
 Jacksonville, Fla.
 Selma, Ala.
 Brooklyn, N. Y.
 Doylestown, Pa.
 Charleston, W. Va.
 Norfolk, Va.
 Durham, N. C.
 Easton, Md.
 New York, N. Y.
 York, Pa.
 Lewes, Del.
 Washington, D. C.
 Ridley Park, Pa.
 Macon, Ga.
 Jacksonville, Fla.
 Belleville, Ill.
 Glenbrook, Conn.
 Peekskill, N. Y.
 Cleveland, Ohio
 Baltimore, Md.
 Durham, N. C.
 Sunbury, Pa.
 Durham, N. C.
 Jersey City, N. J.
 East Hampton, Mass.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 New York City
 Haines City, Fla.
 North Tarrytown, N. Y.
 Durham, N. C.
 Holicong, Pa.
 Lexington, N. C.
 Citra, Fla.
 Orangeburg, S. C.
 Norwood, Ohio
 Durham, N. C.
 Claxton, Ga.
 Vanceboro, N. C.
 Bradenton, Fla.
 Bradenton, Fla.
 Haworth, N. J.
 Philadelphia, Pa.
 Durham, N. C.
 Charlotte, N. C.

- Dunham, Elinor Trexler
 Edwards, Dorothy Louise
 Edwards, Lillian Margery
 Ellerson, Elizabeth Carmichael
 Ellis, Margaret Aileen
 Evans, Eliene Sidney
 Everett, Helen Beatrice
 Everett, Martha McKellar
 Ewing, Helen Jane
 Faires, Ethel Elizabeth
 Fawcett, Barbara Louise
 Ferrante, Faustina Rosemary
 Findlay, Betty Craighead
 Fitzgerald, Louise Young
 Flanagan, Ruby Kathleen
 Fowler, Nancy Crary
 Fridy, Helen Elizabeth
 Gamble, Amy Verna
 Gantt, Hazel Ann
 Gibbs, Edith Margareta
 Gladstein, Hazel Leona
 Goddard, Marjorie
 Gould, Marjorie Heckland
 Graeter, Annadale Blevins
 Gray, Catherine Irene
 Green, Dolly
 Griffith, Erma Ellen
 Harrill, Mary Frances
 Herndon, Nannie Mae
 Hess, Alice Elizabeth
 Hindes, Dorothy
 Holliday, Jean Malcolm
 Hooton, Elizabeth Louise
 Horton, Ruth Gertrude
 Howorth, Helen Russell
 Hudson, Dorothy Mead
 Ihle, Marion Elizabeth
 Izard, Anne Rebecca
 Jaffe, Margaret Ethel
 Jerome, Ann Brown
 Johnson, Maybelle Florence
 Johnston, Betty Anne
 Jones, Ethel Hope
 Jones, Jane Lee
 Keene, Dorothy Mae
 Kessler, Josephine Dilworth
 Kimberly, Ruth Norton
 Kirkpatrick, Catherine
 Knight, Agnes Estelle
 Durham, N. C.
 Durham, N. C.
 Greensboro, N. C.
 Hot Springs, N. C.
 Rutherford, N. J.
 Morehead, Ky.
 Mahanoy City, Pa.
 Rockingham, N. C.
 West Grove, Pa.
 Drexel Hill, Pa.
 Canton, Ohio
 Hackensack, N. J.
 Bethlehem, Pa.
 Erwin, N. C.
 Lynchburg, Va.
 Durham, N. C.
 Ridley Park, Pa.
 McKeesport, Pa.
 Durham, N. C.
 Wheeling, W. Va.
 Durham, N. C.
 Brooklyn, N. Y.
 Chatham, Pa.
 Richmond, Va.
 Cressona, Pa.
 Pleasantville, N. J.
 Lebanon, Va.
 Forest City, N. C.
 Durham, N. C.
 Dallas, Pa.
 Meriden, Conn.
 Staunton, Va.
 District Heights, Md.
 Ashland, Ky.
 Forest Hills, L. I., N. Y.
 Stanford, Conn.
 Montclair, N. J.
 Durham, N. C.
 South Boston, Va.
 Pine Level, N. C.
 New York, N. Y.
 Doylestown, Pa.
 Chillhowie, Va.
 Belleville, Ill.
 Miami, Fla.
 Warrington, Pa.
 New Haven, Conn.
 Salisbury, N. C.
 Durham, N. C.

Krampf, Isabelle Mary	Allegany, N. Y.
Kueffner, Charlotte Margaret	Durham, N. C.
Laing, Bess	Charleston, W. Va.
Lane, Eleanor Elizabeth	Staten Island, N. Y.
Larzelere, Helen Claire	Jacksonville, Fla.
Lawson, Jennie Phipps	South Boston, Va.
Leach, Dorothy Elizabeth	New York, N. Y.
Lentz, Beth	Albemarle, N. C.
Lewis, Dorothy May	Little Rock, Ark.
Lewis, Frances Cofer	Norfolk, Va.
Lins, Harriet Jane	West Palm Beach, Fla.
Lippitt, Elizabeth Sloat	Cooperstown, N. Y.
Littell, Ernestine	Cooperstown, N. Y.
Little, Ruth Carol	Washington, D. C.
Lowery, Ruth Jean	Mount Vernon, N. Y.
Lunsford, Laura Ellen	Durham, N. C.
McCarrell, Rebecca Jane	Harrisburg, Pa.
McCowan, Jean Elmora	New York, N. Y.
McIntyre, Evelyn Franklin	Croton-on-Hudson, N. Y.
McNutt, Doris Friend	Ridgefield Park, N. J.
Mangum, Mildred Hawkins	Bahama, N. C.
Mantell, Marion Louise	Allendale, N. J.
Marcus, Norma Hope	Brookline, Mass.
Markham, Charlotte Boyd	Durham, N. C.
Markham, Sarah Hackney	Durham, N. C.
Marshall, Charlotte Amelia	Ashland, Pa.
Mayes, Eleanor	Durham, N. C.
Merrill, Frances Eloise	Charleston, W. Va.
Meyers, Amy	Goldsboro, N. C.
Michler, Ruth	Easton, Pa.
Millar, Mary Gertrude	Flushing, N. Y.
Miller, Jean Marian	Durham, N. C.
Miller, Virginia Evelyn	Caldwell, N. J.
Mills, Sara Evelyn	Atlanta, Ga.
Mitchell, Eleanor Frances	Washington, D. C.
Montague, Kathryn Louise	Durham, N. C.
Moore, Marion Alice	Charleston, W. Va.
Moore, Mary Barrow	Delray Beach, Fla.
Morris, Sarah	Marietta, Ga.
Newcomb, Virginia Elliott	Hilton, N. Y.
Nolde, Althea Estelle	New Orleans, La.
Olsen, Lurline Evelyn	Poughkeepsie, N. Y.
Paist, Florence Wartman	Lansdowne, Pa.
Parker, Tekla	Philadelphia, Pa.
Pate, Nancy Lee	Raleigh, N. C.
Patrick, Virginia Mary	Baltimore, Md.
Patterson, Eleonora Louise	Durham, N. C.
Peterson, Anita Frances	Woodbury, N. J.
Phillips, Helen Frances	Lexington, N. C.

- Pollard, Betty Frances
 Poole, Helen
 Porter, Alline
 Ranson, Alma Lloyd
 Rauschenburg, Lucy Seitz
 Ray, Rosalyn
 Rea, Ruth
 Reade, Marion Elizabeth
 Rees, Doris Agnes
 Reeves, Virginia
 Reist, Anne Louise
 Remont, Mary Louise
 Rettew, Betty Rebecca
 Rich, Helen Barbara
 Riddleberger, Eleanor Wilde
 Riley, Elizabeth Covington
 Ritchie, Camilla Jane
 Roberson, Helen Longworth
 Rogan, Edna Carlton
 Rogers, Lillian Vida
 Rowe, Nancy Howison
 Sachs, Winifred Marie
 Sally, Hilda Lee
 Sasscer, Elizabeth Anne
 Scott, Jean Rinehart
 Seymour, Dorothy Hall
 Siehler, Charlotte Mae
 Sill, Helen Leonore
 Skinner, Laurine Davis
 Skinner, Virginia Elizabeth
 Slater, Helen Elizabeth
 Slaughter, Dora Louise
 Slayton, Edith Lucile
 Small, Elizabeth Fletcher
 Smith, Frances Carrell
 Smith, Helen Fraser
 Smith, June Charlia
 Smith, Agnes Marie
 Smith, Susanna Meredith
 Snead, Nancy Katherine
 Snook, Edith Louisa
 Sparks, Irene Gambill
 Staclhouse, Helen Clare
 Stedman, Marion Moring
 Steinbrenner, Ruth Evelyn
 Stofflet, Phyllis Vivian
 Stone, Mary Elizabeth
 Strother, Edith Angeline
 Stube, Doris Joy
 Durham, N. C.
 Troy, N. C.
 Durham, N. C.
 Charlotte, N. C.
 Atlanta, Ga.
 Waynesville, N. C.
 London, Ohio
 Durham, N. C.
 Nanticoke, Pa.
 Canton, N. C.
 Lancaster, Pa.
 Moylan, Rose Valley, Pa.
 Harrisburg, Pa.
 South Orange, N. J.
 Jackson Hgts, L.I., N.Y.
 Durham, N. C.
 Binghampton, N. Y.
 Durham, N. C.
 Baltimore, Md.
 Harrington Park, N. J.
 Coral Gables, Fla.
 Hancock, Md.
 Durham, N. C.
 Chevy Chase, Md.
 Montclair, N. J.
 Plainville, Conn.
 Baltimore, Md.
 Wayne, Pa.
 Greenville, N. C.
 Durham, N. C.
 Detroit, Mich.
 Mt. Airy, N. C.
 Durham, N. C.
 Wyoming, N. J.
 Easton, Pa.
 Thomasville, Ga.
 Kearny, N. J.
 Durham, N. C.
 Leonia, N. J.
 Petersburg, Va.
 Summit, N. J.
 Ashland, Ky.
 Easton, Pa.
 Asheboro, N. C.
 Lakewood, Ohio
 Philadelphia, Pa.
 Worcester, Mass.
 Durham, N. C.
 Niagara Falls, N. Y.

Sugar, Beatrice	St. Pauls, N. C.
Suplee, Ruth	Narberth, Pa.
Swazey, Diantha Hamilton	Forest Hills, N. Y.
Swift, Virginia Ailene	Wayne, Pa.
Taylor, Evelyn Kathryn	Glenbrook, Conn.
Taylor, Florence Lenore	Ashland, Pa.
Teed, Phyllis	Berea, Va.
Teed, Shirley Roberta	Brooklyn, N. Y.
TeSelle, Jeanette	Gainesville, Fla.
Thompson, Frances Gayle	Greensboro, N. C.
Thompson, Lucia	Memphis, Tenn.
Tolar, Mary Elizabeth	Sanford, Fla.
Toner, Aimee Leila	New Haven, Conn.
Truitt, Charlotte Willey	Bridgeville, Del.
Tyson, Jane Elizabeth	Philadelphia, Pa.
Ulmer, Ruth Porter	Jacksonville, Fla.
Upchurch, Kathrine Manning	Durham, N. C.
Vickers, Mary Kilgo	Oxford, N. C.
Wade, Helen Justine	Phoenixville, Pa.
Wagner, Anna Georgia	Jamaica, N. Y.
Wagner, Ella Josephine	West Chester, Pa.
Walker, Lucia	Tampa, Fla.
Warren, Hassie Lee	Durham, N. C.
Warren, Louise Cabell	Chatham, Va.
Warren, Mary Louise	Richmond, Va.
Washburn, Margaret Edyth	Hempstead, N. Y.
Waters, Ella Harriss	Washington, N. C.
White, Katharine Elinor	Elizabeth, N. J.
White, Margery Kathryn	Philadelphia, Pa.
Whitesell, Ruth Graham	Low Moor, Va.
Whitmore, Ada Ward	Durham, N. C.
Whittemore, Kathryn Edith	Port Washington, N. Y.
Wilkinson, Carol Conant	Jamaica, N. Y.
Williams, Dorothy Lee	Jacksonville, Fla.
Williams, Mildred Cordier	Greenville, Ky.
Williams, Sarah Elsie	Elizabeth City, N. C.
Winans, Gladys Eleanor	Ridgewood, N. J.
Witmer, Rebecca Mary	Lancaster, Pa.
Wood, Doris	Mt. Morris, N. Y.
Wooten, Julia Speight	Fayetteville, N. C.
Wyatt, Constance	West Medford, Mass.
Zecher, Margaret Ann	Lebanon, Pa.

SOPHOMORE CLASS

Abernethy, Margaret Inez	Durham, N. C.
Applewhite, Ida Shaw	Halifax, N. C.
Baggarly, Marie Anne	North Wilton, Conn.
Bailey, Martha Gardner	Thomasville, Ga.

- Baker, Mrs. W. M.
 Barbee, Nancy Habel
 Barrett, Eleanor Andrews
 Beattie, Sherwood
 Becker, Margaret Anne
 Bennett, Ruth Anne
 Blackwood, Constance
 Board, Evelyn Frances
 Bowman, Ruth Frances
 Brinn, Sara Ellanora
 Brogden, Doris Muriel
 Brogden, Rebecca Muriel
 Bruton, Eleanor Wade
 Buice, Kathlyn Holmes
 Bunn, Myrcelle Elizabeth
 Burd, Jean Morton
 Caldwell, Dorothy Anne
 Campbell, Virginia Rose
 Carr, Elizabeth Pugh
 Cassidy, Elizabeth Joe
 Cates, Mary Ann
 Chaffee, Frances Brown
 Clements, Orpah Southerland
 Collins, Lillian Eula
 Congdon, Eleanor Estill
 Cordray, Irene Elmira
 Crosby, Rose
 Cuninggim, Margaret Louise
 Davis, Lora Frances
 Dosch, Dorothy Margaret
 Drowne, Mildred Russell
 Dunten, Flossie Aileen
 Eaby, Josephine Elizabeth
 Edwards, Jessie Elizabeth
 Estes, Mae Frances
 Evans, Ann Caroline
 Falls, Sara Louise
 Fanning, Leonora Bryan
 Farthing, Annie Frances
 Flebbe, Dorothy
 Fogel, Rubye
 Fountain, Elinor Tolson
 Franck, Margaret Elizabeth
 Friemel, Betty
 Gibson, Jane
 Goldberg, Carolyn Lehman
 Goodman, Mary Kathryn
 Graham, Bessie
 Gray, Dorothy
 Mebane, N. C.
 Durham, N. C.
 Stamford, Conn.
 Maplewood, N. J.
 Upper Darby, Pa.
 Clarksburg, W. Va.
 Greensboro, N. C.
 Roanoke, Va.
 Mt. Airy, N. C.
 Hertford, N. C.
 Durham, N. C.
 Durham, N. C.
 Candor, N. C.
 Charlotte, N. C.
 Zebulon, N. C.
 Pottsville, Pa.
 Mansfield, Ohio
 Harrisburg, Pa.
 Greenville, N. C.
 Erwin, Tenn.
 New York, N. Y.
 White Plains, N. Y.
 Durham, N. C.
 Durham, N. C.
 Brooklyn, N. Y.
 Point Marion, Pa.
 Citra, Fla.
 Nashville, Tenn.
 Quincy, Fla.
 Somerset, Pa.
 Asheville, N. C.
 Miami, Fla.
 Lancaster, Pa.
 Kinston, N. C.
 Macon, Ga.
 Riverton, N. J.
 Shelby, N. C.
 Asheville, N. C.
 Raleigh, N. C.
 New York, N. Y.
 Georgetown, S. C.
 Easton, Md.
 Durham, N. C.
 Ridgewood, N. J.
 Hyattsville, Md.
 Durham, N. C.
 Ashland, Ky.
 West Palm Beach, Fla.
 Summit, N. J.

Gray, Helen Louise
Groves, Mary Rebecca
Haislip, Jane Rebecca
Halsema, Helen Elizabeth
Happel, Ethel Welty
Hardin, Katharine Virginia
Harned, Hilda
Harper, Marjorie Creighton
Henderson, Mary Elliott
Hudson, Nancy Richmond
Hull, Alma Louise
Inlay, Virginia Anne
Ingram, Adelyn Harris
Ivey, Mary Frances
Izard, Margaret
Jacobus, Hortense Edna
Johnson, Eddie Hyacinth
Johnson, Virginia Kathryn
Jones, Alice Victoria
Jordan, Sally Ballou
Jordan, Sarah Louise
Kennedy, Anna Claire
Kleinmans, Evelyn Katherine
Knight, Elizabeth Dallas
Lance, Ava
Langfitt, June Leonore
Leitch, Nancy Ferber
Lieb, Helen Josephine
Linney, Mary Frances
Little, Gretchen Dohm
Lyon, Catherine Hill
McClenaghan, Marian Trenholm
McCraney, Adele Irene
McKechnie, Elva Allan
Magner, Ellin Elizabeth
Mangum, Hazel Lyon
Maynard, Katherine Atlee
Maywald, Frances Elizabeth
Meetze, Minnie Rachel
Moore, Margaret Watson
Norton, Emmy Lou
Myers, Eleanor Glenn
Newsom, Annie Laurie
Noble, Dorothy Marie
Owens, Laura Elizabeth
Pace, Margery Elizabeth
Paist, Frances Helen
Pamplin, Elma Cole
Parks, Elizabeth Jane
Ridgewood, N. J.
Charleston, W. Va.
Lumberport, W. Va.
Baguio, P. I.
Blue Ridge Summit, Pa.
Upper Montclair, N. J.
Washington, D. C.
Bethlehem, Pa.
Hickory, N. C.
Greensboro, N. C.
Harrisburg, Pa.
Chevy Chase, Md.
Mt. Gilead, N. C.
Durham, N. C.
Durham, N. C.
Caldwell, N. J.
Durham, N. C.
Lexington, N. C.
Petersburg, Va.
Kinston, N. C.
York, Pa.
Big Stone Gap, Va.
Ridgewood, N. J.
Ambler, Pa.
Elon College, N. C.
Clarksburg, W. Va.
Stamford, Conn.
Elizabeth, N. J.
Boone, N. C.
High Bridge, N. J.
Charlotte, N. C.
Raleigh, N. C.
Yonkers, N. Y.
Taunton, Mass.
Sistersville, W. Va.
Rougemont, N. C.
Richmond, Va.
Orlando, Fla.
Charlotte, N. C.
Clarendon, Va.
Charleston, W. Va.
Byhalia, Miss.
Durham, N. C.
Glen Rock, N. J.
Bennettsville, S. C.
Suffern, N. Y.
Wayne, Pa.
Reidsville, N. C.
Kew Gardens, N. Y.

- Parsons, Helen Louise
 Patten, Constance
 Patterson, Ruth Eleonora
 Paul, Ernestine Catharine
 Peake, Nell
 Pelgrim, Marie Kollen
 Peoples, Clary Webb
 Phillips, Ruth Ellen
 Pinnix, Nettie Huba
 Plyler, Mern
 Pollard, Harriette Violetta
 Queen, Mary Kathryn
 Ramsaur, Genevieve
 Relyea, Ella Louise
 Rhodes, Mary Alice
 Rigg, Helen Wynkoop
 Roe, Marion
 Rudisill, Margaret Louise
 Russell, Norma Jane
 Seed, Mary Carolyn
 Shriner, Frances Isobel
 Silleck, Eleanor Lane
 Sills, Pattie Marie
 Sink, Rachel Christine
 Slocomb, Elizabeth Woodbury
 Souder, Gladys Estelle
 Speicher, Audrey Virginia
 Spence, Fannie Hilda
 Stevenson, Eleanor Duncan
 Sutton, Elizabeth Beadle
 Sweet, Eileen Gladys
 Taylor, Margaret Virginia
 Tipping, Hazel Ruth
 Tritle, Catherine Witbeck
 Trousdale, Katherine Ellen
 Van Vactor, Martha Elizabeth
 Voegtlen, Elizabeth
 von der Lieth, Jane
 Wallauer, Jean Mae
 Walton, Dorothy Adams
 Watkins, Anne Michaux
 Watkins, Virginia Schofield
 Welsh, Ida
 Winfree, Virginia Elizabeth
 Wise, Frances Mildred
 Woolsey, Florence Margery
 Wrenshall, Elizabeth Stowe
 Zimmerman, Edna Beatrice
 Zuckerman, Esther
 Altoona, Pa.
 Fayetteville, N. C.
 Durham, N. C.
 Colmar, Pa.
 Norfolk, Va.
 Coral Gables, Fla.
 Asheville, N. C.
 Wheeling, W. Va.
 New Bern, N. C.
 Durham, N. C.
 Washington, D. C.
 Waynesville, N. C.
 Jacksonville, Fla.
 Moylan, Rose Valley, Pa.
 Chattanooga, Tenn.
 Wayne, Pa.
 Clermont, Fla.
 Cherryville, N. C.
 Hamden, Conn.
 Upper Montclair, N. J.
 York, Pa.
 Peekskill, N. Y.
 Nashville, N. C.
 Lexington, N. C.
 Winthrop, Mass.
 Macon, Ga.
 Rockwood, Pa.
 Goldsboro, N. C.
 New Bern, N. C.
 Harrisburg, Pa.
 New Haven, Conn.
 DeLand, Fla.
 Mandarin, Fla.
 Erie, Pa.
 Florence, Ala.
 Marion, Ind.
 Summit, N. J.
 Glen Rock, N. J.
 White Plains, N. Y.
 Jacksonville, Fla.
 Midlothian, Va.
 Midlothian, Va.
 Deal, N. J.
 Lynchburg, Va.
 Hillsdale, N. J.
 Glen Rock, N. J.
 Asheville, N. C.
 Welcome, N. C.
 Durham, N. C.

JUNIOR CLASS

Airheart, Dorothy Lavinder	Durham, N. C.
Atkinson, Eleanor Josephine	Lynchburg, Va.
Ayers, Jean Elizabeth	Indiana, Pa.
Bailey, June	Thomasville, Ga.
Baker, Evelyn Louise	Thomasville, N. C.
Baker, Ruth Bernice	Moorestown, N. J.
Ball, Esther	Lowell, Mass.
Ballay, Martha Hermine	Ambridge, Pa.
Barlow, Mildred Louise	Fulton, N. Y.
Barrow, Dorothy Zelma	Zebulon, N. C.
Bates, Margaret Nancy	Elkton, Md.
Berenson, Sara	Bogalusa, La.
Birge, Emily Jane	West Hartford, Conn.
Birmingham, Mariette deKay	Liberty, N. Y.
Bishop, Nellie Baldrige	Durham, N. C.
Black, Elma Jeanette	Bamberg, S. C.
Boice, Natalie Louise	Burgettstown, Pa.
Bowen, Carey Bell	Ridgewood, N. J.
Bowman, Leona Virginia	Timbersville, Va.
Bradley, Jessica	Swainsboro, Ga.
Bradley, Mary Louise	Lima, Ohio
Breisch, Ethel	Tamaqua, Pa.
Erewer, Jessie Ann	Clarksville, Tenn.
Brown, Cornelia Louise	Arlington, N. J.
Burleigh, Lucy Elvira	Rutherford, N. J.
Cameron, Kathleen	Hattiesburg, Miss.
Cralton, Jane Singleton	Greensboro, N. C.
Carper, Mary Evelyn	Rowland, N. C.
Chamberlain, Mary Calhoun	Natchez, Miss.
Chandler, Helen Gray	Broadway, N. C.
Charman, Rubyetta	Asheville, N. C.
Clark, Helen	Louisville, Ga.
Cobb, Harriet Holman	Durham, N. C.
Collins, Marguerite	Anniston, Ala.
Combs, Julia Marie	Durham, N. C.
Corbin, Charlotte	Durham, N. C.
Covington, Mary Faison	Thomasville, N. C.
Cox, Virginia Elizabeth	Asheville, N. C.
Crabtree, Charlotte Virginia	Chattanooga, Tenn.
Crosby, Ruth Bennett	Greenville, Miss.
Cross, Helen Reeder	Isabella, Tenn.
Davis, Evelyn Ames	Vanceboro, N. C.
Davis, Ruth Elizabeth	Vanceboro, N. C.
Dewey, Mary Alice	Goldsboro, N. C.
Dilley, Mary Alice	Ocean City, N. J.
Earl, Janet Ruth	Clinton, Iowa
Eichin, Margery Lee	Butler, N. J.

- Ely, Marian Claire
 Emery, Hazel D'Etta
 Fanton, Emma Jennette
 Farnum, Ellen Cogswell
 Feldman, Clare Weaver
 Flowers, Betty Pierce
 Forbes, Dorothy Orrell
 Gantt, Eva Goldie
 Garrett, Ethel Varrell
 Gehman, Mildred Ruth
 Gillette, Rena Pearl
 Gillis, Mary Louise
 Glover, Nancy Rice
 Graney, Frances Vivian
 Graney, Mary Girline
 Hannon, Jane Steele
 Harrison, Ethel Mae
 Hart, Ruth
 Haynes, Virginia Ann
 Hedrick, Alma Harris
 Hedrick, Robbie Geneva
 Heinley, Florence Elizabeth
 Heptinstall, Hannah Bailey
 Heroy, Dorothy Marguerite
 Hewitt, Mary Kathryn
 Hines, Dorothy Byrd
 Hocker, Blanche Cozatt
 Huls, Frances Elizabeth
 Humbert, Margaret Herold
 Hunsicker, Sylvia Morehouse
 Irwin, Bernice Elaine
 Isaac, Margaret Creekmuir
 Isenhour, Catherine Elizabeth
 Johnson, Laura Sloo
 Jones, Lois Elsie
 Jordan, Virginia Marshburn
 Kernodle, Jennie Sue
 Kiker, Kathryn
 Kindel, Martha Louise
 King, Marjorie Adelaide
 Knox, Anita Scofield
 Lamson, Georgianna Jane
 Langston, Denzil
 Laws, Temesia Louise
 Lawton, Marie Howard
 Lightbown, Ruth
 McCollum, Mary Louise
 MacFadyen, Dorothea Pauline
 Doylestown, Pa.
 Jacksonville, Fla.
 Westport, Conn.
 Asheville, N. C.
 Easton, Pa.
 San Antonio, Texas
 Trenton, N. J.
 Durham, N. C.
 Swarthmore, Pa.
 Lancaster, Pa.
 Wilmington, N. C.
 Arlington, N. J.
 Oxford, N. C.
 Ashland, Ky.
 Ashland, Ky.
 Charlotte, N. C.
 Thomasville, N. C.
 Bloomington, Ill.
 Shreveport, La.
 Salisbury, N. C.
 Lexington, N. C.
 Amityville, N. Y.
 Littleton, N. C.
 Cranford, N. J.
 Hackensack, N. J.
 Greensboro, N. C.
 Danville, Ky.
 Washington, D. C.
 Hasbroucks Heights, N.J.
 Allentown, Pa.
 Bradley Beach, N. J.
 Norfolk, Va.
 Durham, N. C.
 Washington, D. C.
 Durham, N. C.
 Brooklyn, N. Y.
 Durham, N. C.
 Reidsville, N. C.
 Raleigh, N. C.
 Taunton, Mass.
 Long Island, N. Y.
 Maplewood, N. J.
 Orlando, Fla.
 Rougemont, N. C.
 Media, Pa.
 Palm Beach, Fla.
 Jacksonville, Fla.
 Concord, N. C.

McKinley, Margaret Frances
McNeill, Susan Gardner
Martin, Edna Weeks
Meiklejohn, Mary Wilson
Merkel, Louise
Mewborn, Alma Evelyn
Mewborn, Thelma Gertrude
Minor, Jane Elizabeth
Molyneaux, Jeanne
Morrow, Ada Vernon
Motlow, Mary Avon
Mulford, Mary Jane
Murdock, Jean
Murray, Anita Estelle
Newton, Evelyn Elizabeth
Nicks, Kathrine Calista
Nycum, Clara Sara
Ormond, Janet
Parker, Helen Bridgers
Pedersen, Sigrid Hermione
Pegram, Alma Elizabeth
Perry, Ethel Virginia
Phillips, Caroline Mary
Poole, Mary Elizabeth
Pos, Florence Blanch
Powell, Asenath Smith
Powell, Mary Elizabeth
Powell, Nell Nelson
Powell, Sue Elnora
Pugh, Isabelle Gwynn
Riddleberger, Frances Waddy
Riefle, Caroline Amelia
Roberson, Kathleen Griffith
Sarver, Virginia Lee
Sawyer, Katherine Louise
Schiller, Ruth Louise
Sear, Lena
Shands, Elizabeth
Shepardson, Marian Per Lee
Sherron, Elizabeth Felts
Sidenberg, Jeanette Gertrude
Singleton, Susan Emily
Slaughter, Sallie Patricia
Smith, Margaret Beatrice
Smith, Priscilla Ellen
Smith, Vivian Julian
Snooks, Helen Peterson
Snyder, Lenora Charlotte
Yonkers, N. Y.
Jacksonville, Fla.
Brooklyn, N. Y.
Cheraw, S. C.
Milwaukee, Wis.
Snow Hill, N. C.
Snow Hill, N. C.
Batavia, N. Y.
Washington, D. C.
Mt. Ulla, N. C.
Lynchburg, Tenn.
Washington, D. C.
Greenville, S. C.
Marietta, Ga.
Durham, N. C.
Roxboro, N. C.
Durham, N. C.
Durham, N. C.
Henderson, N. C.
New York, N. Y.
Hamlet, N. C.
Rocky Mount, N. C.
Lexington, N. C.
Troy, N. C.
Asheville, N. C.
Union Springs, Ala.
Grand Rapids, Mich.
Edenton, N. C.
Gastonia, N. C.
Huntington, W. Va.
Jackson Heights, N. Y.
Baltimore, Md.
Durham, N. C.
Lewisburg, W. Va.
Chicago, Ill.
St. Petersburg, Fla.
Hampton, Va.
Gainesville, Fla.
Asheville, N. C.
Durham, N. C.
Richmond, Va.
Selma, N. C.
Oxford, N. C.
Durham, N. C.
Catonsville, Md.
Red Lion, Pa.
Ailey, Ga.
Ridgefield Park, N. J.

Stone, Nancy Elma	Durham, N. C.
Strickland, Trurlu Vieve	Durham, N. C.
Surles, Doris Lee	Dunn, N. C.
Tennis, Ruth Beatrix	Norfolk, Va.
Thompson, Sarah Wray	Shelby, N. C.
Tompkins, Eleanor	White Plains, N. Y.
Toney, Rose Love	Morristown, Tenn.
Triplett, Jane Fairfax	Pine Bluff, Ark.
Van Deren, Mai Flournoy	Cynthiana, Ky.
Vaughan, Mary Emily	Jackson, N. C.
Voorhies, Mary Irene	New Orleans, La.
Walker, Sara Whyte	Ridley Park, Pa.
Warren, Dorothy	Bel Air, Md.
Way, Harriet Elisabeth	Orangeburg, S. C.
Wegener, Augusta Ermengarde	Durham, N. C.
White, Ethel Louise	Baltimore, Md.
White, Mary Nash	Richmond, Va.
Whittemore, Ethel Emilie	Hoboken, N. J.
Wikoff, Dorothy Evva	Kansas City, Mo.
Williams, Jane Merrill	St. Paul, Minn.
Wilson, Edna Erle	Black Mountain, N. C.
Womble, Lila	Winston-Salem, N. C.
Woodroe, Marye Price	Norfolk, Va.
Woodward, Sarah Elizabeth	Richlands, N. C.
Wray, Ruth Smith	Glen White, W. Va.
Yarbrough, Mary Elizabeth	Durham, N. C.

SENIOR CLASS

Adams, Evelyn Womack	McColl, S. C.
Anderson, Frances Seward	Lynchburg, Va.
Fallew, Mattie Stines	Asheville, N. C.
Barnes, Annette	Elm City, N. C.
Beamer, Celestine Marie	Burley, Idaho
Begg, Ethel Isabel	Charlotte, N. C.
Bennett, Ruth	Norfolk, Va.
Berlin, Cicely	Hampton, Va.
Boyd, Elizabeth Norwood	Warrenton, N. C.
Britton, Marguerite	New York, N. Y.
Brooks, Carolyn	Mayfield, Ky.
Brooks, Mary Katherine	Durham, N. C.
Bryan, Lucile Pansy	Garner, N. C.
Byrn, Emily Catherine	Mayfield, Ky.
Cain, Dorothy Lockwood	Greenville, S. C.
Carothers, Mary LoDema	Asbury Park, N. J.
Carter, Mary Louise	Gate City, Va.
Carver, Beatrice Marie	Rougemont, N. C.
Cash, Rosanelle	Winston-Salem, N. C.
Chase, Helen Elizabeth	New Haven, Conn.

- Cleatham, Mary Elizabeth
Childs, Hermine Elaine
Clark, Marjorie Belle
Clement, Blanche Hanes
Cox, Helen May
Culbreth, Sarah Elizabeth
Daniel, Helen Garrett
Davis, Anna Katherine
Dawson, LaVerne
Devereaux, A'Woods
Dikeman, Helen Grace
Dillon, Virginia Marie
Douglas, Dorothy
Douglas, Elinor Marie
Dowling, Charline Keith
Duke, Amy
Edwards, Margaret Sangster
Ewing, Elinor Crawford
Field, Rosamond Crawford
Fish, Dorris Goodall
Fleming, Catherine Frances
Gaddis, Mary Trimble
Gardner, Eugenia
Garrard, Nellie Gertrude
Garris, Doris Lynn
Geise, Florence Geraldine
Giles, Katherine Clare
Glass, Mary Josephine
Green, Doris Hawthorne
Griffin, Janet Elliott
Hicks, Elizabeth Hugh
Holmes, Mary Bynum
Horne, Mary Louise
Ingram, Eloise Wooders
Jackson, Marion Hope
Jansen, Mary Elizabeth
Jenkins, Mona Selvage
Johnston, Charlotte Eleanor
Jones, Myrtle Ruth
Katz, Ann Helen
Kennedy, Mildred Jacqueline
Kern, Virginia
Kirkman, Dorothy Gurley
Knight, Elizabeth Catherine
Lackey, Mary Stuart
Lawson, Anna Brown
Love, Alma
Love, Cornelia Clegg
Love, Mary Harvey
Franklinton, N. C.
Durham, N. C.
Berea, Ky.
Mocksville, N. C.
Rockingham, N. C.
Durham, N. C.
Columbia, S. C.
Asheville, N. C.
Fort Smith, Ark.
Augusta, Ga.
Bridgeport, Conn.
Wilmington, N. C.
Rocky Mount, N. C.
South Manchester, Conn.
Munfordville, Ky.
Fort Valley, Ga.
Durham, N. C.
Nashville, Tenn.
Marietta, Ga.
Chicago, Ill.
New Bethlehem, Pa.
Brown, Md.
Anniston, Ala.
Durham, N. C.
Greenville, N. C.
Norristown, Pa.
Marion, N. C.
Fort Lauderdale, Fla.
Durham, N. C.
Baltimore, Md.
Durham, N. C.
Mt. Olive, N. C.
Rocky Mount, N. C.
High Point, N. C.
Long Island, N. Y.
Stamford, Conn.
Louisville, Ky.
Greenville, Tenn.
Chillhowie, Va.
Portsmouth, Va.
Roanoke, Va.
Shanghai, China
High Point, N. C.
Morristown, N. J.
Christiansburg, Va.
Erwin, Tenn.
Hopkinsville, Ky.
Raleigh, N. C.
Raleigh, N. C.

- Lyon, Emma Frances
 McCoy, Margaret Elizabeth
 McCrudden, Jessie Ruth
 McIntosh, Ella Carolyn
 McKinney, Mildred Lucille
 Mann, Caroline
 Manter, Mabel Rhodes
 Markham, Eleanor Mallory
 Miller, Edith Trussell
 Miller, Jane Dameron
 Mixson, Edith Miriam
 Morali, Helen Marie
 Morrison, Martha Ione
 Morton, Frances Merritt
 Nachamson, Ethel Pearl
 Norwood, Elizabeth Bethune
 Parkhurst, Mary
 Paylor, Sara Clay
 Phipps, Ruth Radtke
 Physioc, Martha Andre
 Powe, Catherine Tate
 Price, Sara
 Rehman, Annie Kate
 Reid, Margaret Lucille
 Ritter, Jane deForest
 Robertson, Ann Elle
 Robinson, Pauline
 Robinson, Sara Sue
 Rogers, Lola Marler
 Rose, Bernice Elsie
 Searight, Alice Bogart
 Serfas, Catherine Fabel
 Sheppard, Susan
 Sink, Mary Isabel
 Slack, Embrce Maxine
 Smith, Edna Marie
 Stabler, Annie Chambers
 Steele, Mary Elizabeth
 Stratton, Marion Esten
 Strowd, Peggy Anne
 Taggart, Mary Eleanor
 Tatum, Elizabeth Burton
 Taylor, Mildred Josephine
 Taylor, Sarah Katherine
 Thrift, Laura Nell
 Tillotson, Virginia Lee
 Tudor, Frances Elizabeth
 Turner, May Frances
 Umstead, Charlotte Frances
 Durham, N. C.
 Charlotte, N. C.
 Maplewood, N. J.
 Old Fort, N. C.
 Shelby, N. C.
 Raleigh, N. C.
 Taunton, Mass.
 Durham, N. C.
 Front Royal, Va.
 Portsmouth, Va.
 Valdosta, Ga.
 Floral Park, N. Y.
 Hickman, Ky.
 Roxboro, N. C.
 Durham, N. C.
 McBee, S. C.
 Raleigh, N. C.
 Raleigh, N. C.
 Kew Gardens, N. Y.
 Stamford, Conn.
 Durham, N. C.
 Mayfield, Ky.
 Courtland, Ala.
 Stamford, Conn.
 Collingswood, N. J.
 Mayveld, Ky.
 Asheville, N. C.
 Chattanooga, Tenn.
 Durham, N. C.
 New York, N. Y.
 Washington, N. C.
 Easton, Pa.
 Washington, D. C.
 Winston-Salem, N. C.
 Bristol, Tenn.
 Cleveland, Ohio
 Bessemer City, N. C.
 Rockingham, N. C.
 Newton Highlands, Mass.
 Durham, N. C.
 Tidioute, Pa.
 Hattiesburg, Miss.
 Harrisburg, Pa.
 Gastonia, N. C.
 Durham, N. C.
 Winston-Salem, N. C.
 Albemarle, N. C.
 Wilson, N. C.
 Durham, N. C.

Voigt, Margie Elizabeth	Philadelphia, Pa.
Walker, Augusta Alice	Elizabeth City, N. C.
Wannamaker, Harriet Foote	Durham, N. C.
Weatherspoon, Mary Virginia	Durham, N. C.
Welles, Doris Alden	Pensacola, Fla.
Whisnant, Hope Spencer	Charlotte, N. C.
White, Carolyn Carter	Mebane, N. C.
Wilford, Emily Virginia	Mayfield, Ky.
Willingham, Pauline Dargan	Macon, Ga.
Wilson, Elizabeth Caldwell Rankin	Montreat, N. C.
Wilson, Jane Bliss	Durham, N. C.
Winslow, Marcia Elizabeth	Greenville, N. C.
Wooten, Alice Yates	Fayetteville, N. C.
Wyatt, Helen Lockwood	West Medford, Mass.
Wyvell, Dorothy Bryan	Washington, D. C.

SPECIAL STUDENTS

Chatneuff, Vivian Moize	Durham, N. C.
Cook, Ethel Neal	Durham, N. C.
Cousins, Mattie	Durham, N. C.
Dilts, Margaret	Durham, N. C.
Gibbons, Mary Elizabeth	Hamlet, N. C.
Herrold, Mary	Hancock, N. Y.
King, Lucy	Durham, N. C.
Lassiter, Elizabeth	Durham, N. C.
Miller, May Merrill	Durham, N. C.
Montgomery, Mary Frances	Durham, N. C.
Propst, Mary	Concord, N. C.
Rosenstein, Florence	Durham, N. C.
Scruggs, Marjorie	Asheville, N. C.
Sneeden, Mary Steele	Durham, N. C.
Williams, Ethel	Wilmington, N. C.
Young, Estelle	Columbus, Ga.

AUDITORS

Cobb, Mrs. James O.	Durham, N. C.
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Adams, John Clinton	Philadelphia, Pa.
B.A. (University of Pennsylvania), A.M. (Duke), History.	
Altvater, Margaret Glass	Durham, N. C.
A.B. (Duke), German.	
Ancrum, William, Jr.	Balboa Hgts. Canal Zone
A.B. (The Citadel), Economics.	
Andrews, Henry Lucian	Mount Gilead, N. C.
A.B., A.M. (Duke), Sociology, Economics.	
Appell, Thelma Mae	Rutland, Vermont
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A.B. (Duke), Economics. Salisbury, N. C.
- Dye, Margaret Luisita
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B.S. (Springfield College, Massachusetts), English, History. North Berwick, Me.
- Eason, Elizabeth Bruner
B.S. (George Peabody), A.M. (Duke), German, French. Lumberton, N. C.
- Edwards, Allen David
B.S. (Western State Teachers College, Michigan), Ph.M. (University of Wisconsin), Sociology, Economics. Plainwell, Mich.
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- Feinberg, Harry
A.B. (Harvard), Zoölogy, Chemistry, Psychology. Mattapan, Mass.
- Finan, John Lincoln
A.B. (Harvard), Psychology, Zoölogy. Waltham, Mass.
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B.S. (Westminster), A.M. (George Washington), Ph.D. (New York), Psychology. Spartanburg, S. C.
- Foster, William Omer
A.B. (Transylvania), A.M. (Columbia), B.D. (Yale Divinity School), Sociology, History. Ames, Iowa
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B.S. (Millsaps), Chemistry, Physics. Jackson, Miss.

- Gardiner, Ann Henshaw Martinsburg, W. Va.
A.B. (Columbia), M.S. (Kansas State), Psychology.
- Garner, Samuel Paul Winston-Salem, N. C.
A.B. (Duke), Economics.
- Garrett, Harper Lee Greenville, S. C.
A.B. (The Citadel), A.M. (Duke), History.
- Gibson, William Marion Baltimore, Md.
A.B. (University of Richmond), A.M. (Duke), Political Science.
- Gilbert, Frederick Mercer, Jr. Harrisburg, Pa.
B.S. (Lafayette), English.
- Girvan, Margaret Leah Nanticoke, Pa.
A.B. (Pennsylvania State), Education.
- Glassman, Alexander New York, N. Y.
B.S. (New York), Zoölogy, Chemistry.
- Godard, James McFate Durham, N. C.
A.B. (Park), A.M. (Duke), Psychology, Philosophy.
- Godbold, Albea Chapel Hill, N. C.
A.B., B.D. (Southern Methodist), A.M. (Yale), Religious Education,
Philosophy.
- Godcharles, Charles Augustus Milton, Pa.
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- Goldstein, Israel Payson E. Taunton, Mass.
A.B. (Lehigh), English.
- Gorman, Mary Aylward Lynchburg, Va.
A.B. (Randolph-Macon Woman's College), A.M. (Duke), Chemistry,
Physics.
- Green, Floride Adelle Belton, S. C.
A.B. (Limestone), Education.
- Hanson, Isabel Smyrna, Ga.
B.S., M.S. (University of Georgia), Physics.
- Hardin, Rector Roemilt Spindale, N. C.
A.B. (Berea), A.M. (Duke), Economics.
- Harkema, Reinard Grand Rapids, Mich.
A.B. (Calvin), Zoölogy, Botany.
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A.B., A.M. (Princeton), Philosophy, Psychology.
- Harris, Isabella Deas Cordele, Ga.
A.B. (Wesleyan), A.M. (Duke), English.
- Harrison, Charles William Mecklenburg, N. C.
A.B. (Davidson), History, Economics.
- Harrison, David Moody Beaverdale, Pa.
B.S. (Ursinus), A.M. (Duke), Economics.
- Harwell, George Corbin Wilmington, N. C.
A.B. (Duke), English.
- Hassell, Allene Brinkley Durham, N. C.
A.B. (East Carolina Teachers College), Education.
- Hathorn, John Broadus Huntsville, Texas
A.B., A.M. (Rice Institute), Education, Psychology, Philosophy.
- Heckman, Oliver Saxon Lehigh, Pa.
A.B. (Lebanon Valley), A.M. (University of Illinois), History.
- Hester, Ernest Carrington Durham, N. C.
A.B. (Duke), Zoölogy.

Hobbs, Marcus Edwin A.B. (Duke), Chemistry, Physics.	Wilmington, N. C.
Hooker, Charles Wright A.B., A.M. (Duke), Zoölogy.	Durham, N. C.
Hoole, William Stanley A.B., A.M. (Wofford), English.	Darlington, S. C.
Huberman, Edward A.B. (Harvard), A.M. (Rutgers), English.	New York, N. Y.
Hudnall, Eva Irene B.S. (Farmville State Teachers College), English.	Critz, Va.
Humble, Hilary Augustus A.B., A.M. (Duke), Chemistry.	Wilmington, N. C.
Humrichouse, Ann Stockton A.B. (Bryn Mawr), French.	Ithan, Pa.
Israel, Kate Ola A.B. (Duke), Chemistry.	Asheville, N. C.
Ivey, Mary Stuart A.B. (Lenoir Rhyne), Latin, Greek.	Hickory, N. C.
Jackson, David Kelly, Jr. A.B., A.M. (Duke), English.	Gastonia, N. C.
Jacokes, James Warner, Jr. B.S. (Union University, Tennessee), Chemistry, Physics.	Asheville, N. C.
Jernigan, Charlton Coney A.B., A.M. (Duke), Greek.	Durham, N. C.
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Jones, Melville Lewis A.B. (Furman), Religion, Sociology.	Durham, N. C.
Jongbloet, Louis Alphonse A.B. (Villanova), French, English.	Washington, D. C.
Karlsson, Yrjo Lamou Nikolai A.B. (Guilford), German, French.	Greensboro, N. C.
Kates, Kenneth Casper A.B. (St. Stephen's), Zoölogy, Botany.	Millville, N. J.
Keech, James Maynard A.B., A.M. (Duke), Economics.	Durham, N. C.
Ketring, Ruth Anna A.B. (Earlham), A.M. (Duke), History.	Richmond, Ind.
King, Robert Herndon A.B. (Washburn), Economics, Political Science.	Topeka, Kansas
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- McManus, Mary Idolene
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- Morgan, Jasper Eugene Waynesville, N. C.
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Mathematics.
- Morgan, Karl Ziegler Salisbury, N. C.
A.B., A.M. (University of North Carolina), Electrical Engineering.
- Mumford, Carey Gardner Raleigh, N. C.
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- Munyan, Merrill Calvin Worcester, Mass.
A.B. (Wesleyan), History.
- Nuermberger, Gustave Adolph Buffalo, N. Y.
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- O'Connor, Ruth Brewster, N. Y.
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- Perry, Margrid Hagelberg Durham, N. C.
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 B.S. (Mansfield State Teachers College), Education, History. Jermyn, Pa.
- Lewis, Margaret May
 A.B. (Meredith), M.A. (Columbia), Education. Scotland Neck, N. C.
- Lillaston, John Bacon
 B.S. (Randolph-Macon), Economics. Blackstone, Va.
- Lincoln, Clarene Elizabeth
 A.B. (Elon College), Education. Broadway, Va.

- Little, Leavitt Webster
A.B. (Tennessee Wesleyan), Education. Tarpon Springs, Fla.
- Loftin, Floyd Fillmore
A.B. (Duke), Religion. Durham, N. C.
- Leng, Sally Welch
A.B. (Morris Harvey College), Economics. Barboursville, W. Va.
- Longanecker, Edwin Snyder
B.S. (Shippensburg State Teachers College), History. Littlestown, Pa.
- Lott, Audrey Peacock
A.B. (Florida State College for Women), History. Perry, Fla.
- Lowry, Ruth
A.B. (Texas Christian University), Education. Fort Worth, Texas
- Loveless, Dorcas Thursea
A.B. (DePauw University), Education, English. Huntertown, Ind.
- Lovvorn, Mary
A.B. (Bessie Tift College), English. Carrollton, Ga.
- Lowe, Claud William
A.B. (University of Georgia), Education, English. Buena Vista, Ga.
- Loyless, Angie Elizabeth
A.B. (Lander College), Education. Wellford, S. C.
- Lyle, Mildred Marie
A.B. (Pennsylvania State), Education. Columbia, Pa.
- Lynn, Ross McCain
A.B. (Presbyterian College), History. Clinton, S. C.
- McClenny, Phoebe Lyon
A.B. (Randolph-Macon Woman's College), Education. Victoria, Va.
- McCloy, Minnie Lee Fagan
A.B. (Winthrop), Education. Durham, N. C.
- McCormick, Dwight Williams
A.B. (Concord State Teachers College), Education, History. Waiteville, W. Va.
- McDavid, Nina Elizabeth
B.S. (Woman's College of U. N. C.), Biology. Sanford, N. C.
- McElmurray, Emily Leslie
A.B. (Georgia State College for Women), Education, French. Waynesboro, Ga.
- McElveen, Vera
B.S. (South Georgia Teachers College), Education, Mathematics. Brooklet, Ga.
- McGhee, Grant Oliver
A.B. (Emory and Henry), Mathematics. Roanoke, Va.
- McKellar, Ella Clare
A.B. (Wesleyan), B.S., A.M. (University of Georgia), Psychology. Macon, Ga.
- McLaughlin, Randolph Aloysius
A.B., A.M. (Gonzaga University), Mathematics. Tampa, Fla.
- McPherson, Thomas Elliott
B.S. (Johnson City Teachers College), Mathematics. Tasso, Tenn.
- Madison, Blain Mark
A.B. (High Point College), A.M. (Duke), Education. Olin, N. C.
- Manning, Alice May
A.B. (Pennsylvania State College), Education. Waynesburg, Pa.
- Martin, Lucile
A.B. (Duke), Education, French. Mocksville, N. C.
- Massey, Winston Louis
A.B. (University of Chattanooga), Mathematics. Chattanooga, Tenn.

Mauk, Frances Irene A.B. (University of Georgia), English.	Melburne, Fla.
May, William Henry A.B. (Duke), Education.	Durham, N. C.
Meeks, Lucile Lester A.B. (Randolph-Macon Woman's College), Education, English.	Baltimore, Md.
Mellard, Hervie Harold B.S. (Mississippi State Teachers College), Education.	Heidelberg, Miss.
Metz, Earl Clarence A.B. (Capital University), Education, History.	West Salem, Ohio
Meyer, Ambrose Eden A.B. (Lebanon Valley College), History.	Jacksonville, Fla.
Miller, Paul Robert B.S. (Mansfield State Teachers College), Education.	Little Meadows, Pa.
Miller, Robert Edward A.B. (Erskine College), Education.	Jonesboro, Ga.
Mitchell, Charles Harold A.B., A.M. (University of Pittsburgh), Education.	Augusta, Ga.
Montgomery, Horace A.B. (Ohio Northern University), A.M. (University of Georgia), History.	Uniontown, Pa.
Moore, John Samuel A.B. (University of North Carolina), A.M. (University of California), English.	Bethel, N. C.
Moorman, Claude Thurman B.S. (Virginia Military Institute), Religion.	Roanoke, Va.
Morgan, John Wesley A.B. (Duke), Education.	Selma, N. C.
Morris, Nancy Allison A.B. (Muskogum College), French.	Dilliner, Pa.
Mount, Elizabeth A.B. (Wesleyan College, Ga.), Education, History.	Pavo, Ga.
Mounts, Charles Eugene A.B., A.M. (University of Florida), English.	Gainesville, Fla.
Mumford, Carey Gardner A.B. (Wake Forest), Mathematics.	Raleigh, N. C.
Munsey, Lassie May A.B. (University of Chattanooga), Economics.	Wartrace, Tenn.
Nagle, Luetta M. A.B. (Ursinus College), Education, English.	Denver, Pa.
Nelson, Torace Malcolm A.B. (Wofford), Education, Psychology.	Edgefield, S. C.
Newman, Mary Rowena A.B. (Duke), English.	Winston-Salem, N. C.
Newton, Thomas Hudson A.B. (Duke), Education.	Gibson, N. C.
Nisbet, Vera Horn A.B. (Grenada College), History, Sociology.	New Albany, Miss.
Northcutt, Jewell Rosalind A.B. (Columbia College), Education, Latin.	McFarlan, N. C.
Norton, William Randolph A.B. (Lynchburg College), Education.	Glen Hedrick, W. Va.

- Otey, Cosby Millard
A.B. (Concord State Teachers College, W. Va.), Education, Mathematics.
Crumpler, W. Va.
Youngsville, N. C.
- Parham, Edwin Thomas
A.B. (Wake Forest), Education, Religion.
Wilson, N. C.
- Parker, Louise Pierce
A.B. (Duke), Education.
Rougemont, N. C.
- Parrish, Albert Archie
A.B. (Duke), Education.
Augusta, Ga.
- Pearce, Lora May
Ph.B. (University of Chicago), Sociology.
Pilot Mountain, N. C.
- Pell, Evelyn Jackson
A.B. (Asbury), French, History.
Pine Castle, Fla.
- Perkins, Isabel Landreth
A.B. (Florida State College for Women), English.
Wyoming, Pa.
- Perry, Gilbert Vincent
A.B. (Notre Dame), History.
Brooksville, Miss.
- Peterson, Daniel McLeod
A.B. (University of Mississippi), Mathematics.
New Castle, Pa.
- Phelps, George Thomas
B.D. (Bethany College), Mathematics.
Old Forge, Pa.
- Phillips, David
B.S. (East Stroudsburg State Teachers College), Education.
Durham, N. C.
- Philips, Edward Lindsey
A.B. (Duke), Economics.
Durham, N. C.
- Pierce, Catherine Jones
A.B. (Woman's College of U. N. C.), B.S., M.S. (Columbia University),
German.
Chesterhill, Ohio
- Pierpoint, Frank Ray
A.B. (Ohio University), Economics.
Saluda, Va.
- Pitts, Sara Elizabeth
A.B. (Randolph-Macon Woman's College), Education.
Haines City, Fla.
- Planck, Carl Gustave
B.S. (Rose Polytechnic Institute), Education, Religion.
Huntington, W. Va.
- Pollitt, Joe Donald
A.B. (Marshall), English.
Mayodan, N. C.
- Poole, Sarah Elizabeth
A.B. (Woman's College of U. N. C.), Education, Psychology.
Newsoms, Va.
- Pope, Benjamin Ashby
B.S. (Virginia Polytechnical Institute), Mathematics.
Clinton, S. C.
- Porter, Helen Elizabeth
A.B. (Flora Macdonald), English, French.
Clinton, S. C.
- Porter, Julia Adeline
A.B. (Flora Macdonald), French, Latin.
Warrenton, S. C.
- Powell, Caroline Egerton
A.B. (Elon College), Zoölogy.
Winston-Salem, N. C.
- Pratt, Francis Marion
A.B. (Duke), English.
Ellenboro, N. C.
- Price, Curtis
A.B. (Duke), Education, Religion.
Banner Elk, N. C.
- Pritchett, Leo Kluttz
A.B. (Davidson College), Education.

- Provins, Christian Lloyd
B.S. (Juniata College), Economics, History. Martinsburg, Pa.
- Purcell, Mae Maxine
A.B. (John B. Stetson University), Economics. Dade City, Fla.
- Purcell, Wilbur Hallam
A.B. (John B. Stetson University), Economics, History. Dade City, Fla.
- Quillen, Isaac James
A.B. (University of Delaware), A.M. (Yale), Education. Selbyville, Dela.
- Randle, Clinton Wilson
A.B. (Duke), Economics. Hickman, Ky.
- Ranes, George Arthur
A.B. (Wake Forest), A.M. (University of North Carolina), Education. Raleigh, N. C.
- Rankin, Mary Kate
A.B. (Maryville College), History. Dandridge, Tenn.
- Ray, Claude Elbert
B.S. (Clemson College), Education, English. Milledgeville, Ga.
- Reed, S. Gleason
A.B. (Concord State College, W. Va.), Zoölogy. Glen Hedrick, W. Va.
- Reese, Nancy A.
A.B. (Dickinson College), Education, History. Harrisburg, Pa.
- Reeves, Carl Walker
B.S. (Citadel), M.A. (Columbia), English. Greenville, S. C.
- Reichenbach, J. Marion
A.B. (Susquehanna University), Education. Orwell, Pa.
- Renstrom, Edith Linea
B.S. (California State Teachers College, Pa.), Spanish. Fayette City, Pa.
- Reuter, William Leo
B.S. (Millersville State Teachers College, Pa.), Education, History. York, Pa.
- Revere, James Hall
B.S. (University of Virginia), Education. Wake, Va.
- Reyst, Klara Frederika
(State Diplomas, Holland), French. Morgantown, W. Va.
- Rhoades, Paul Hubbard
B.S. (Allegheny College), Education. Endeavor, Pa.
- Rice, Nolan Ernest
A.B. (University of Kentucky), A.M. (Duke), Zoölogy. Bellevue, Ky.
- Richardson, Sarah Evelyn
A.B. (Woman's College of U. N. C.), Education. Winston-Salem, N. C.
- Riddick, Floyd Millard
A.B. (Duke), A.M. (Vanderbilt), Economics. Durham, N. C.
- Riedel, Evelyn Lois
B.S. (West Virginia University), Education, English. McMechen, W. Va.
- Roberts, Daisy Mae
A.B. (College of Charleston), Education. Charleston, S. C.
- Robertson, Joseph Mays
B.S. (Clemson), Mathematics. Augusta, Ga.
- Robey, Frances Elizabeth
A.B. (West Virginia University), English. Fairmont, W. Va.
- Robison, Jennie Lansden
A.B. (Texas Technological College), English, Sociology. Lubbock, Texas
- Rodkey, Bertha Mary
B.S. (Teachers College, Millersville), Education, English. Quarryville, Pa.

- Rogers, Helen Mojaska
A.B. (Duke), Education. Durham, N. C.
- Ropp, George William
A.B. (Hampden-Sidney), Education, Latin. Middletown, Va.
- Ropp, Katharine Wallace
A.B. (Randolph-Macon Woman's College), Education. Middletown, Va.
- Rourk, Catharine Marion
B.S. (Wesleyan College), A.M. (Columbia), Education, English. Savannah, Ga.
- Roy, Archie Francis
A.B. (St. Lawrence University), French. Plattsburg, N. Y.
- Ruch, Clarence Alexander
B.S. (Bloomsburg State Teachers College), Education. Berwick, Pa.
- Rugh, Muriel Elizabeth
A.B. (Juniata College), English, French. Johnstown, Pa.
- Ruzgis, Albert William
B.S. (Albright College), Education, English. Kulpmont, Pa.
- Ryburn, Horace Wintzer
A.B. (Davidson), English. Erwin, Tenn.
- St. Clair, Maria Tiffany
A.B. (Emory and Henry), History. Bluefield, Va.
- Sanders, Ollie Bernice
A.B. (Winthrop), Education, Mathematics. Rock Hill, S. C.
- Schmidt, Fred Jacob
A.B. (Dickinson College), Education, English. Egg Harbor City, N. J.
- Scott, George Milton
A.B. (University of Chattanooga), English. Augusta, Ga.
- Seawright, Richard Wilson
A.B. (Erskine), Education, Sociology. Hodges, S. C.
- Shaffer, Donald Wade
B.S. (Shippensburg State Teachers College), Education, English. Tyrone, Pa.
- Shaughnessy, Francis Henry
B.S. (Bloomsburg State Teachers College), Education. Tunkhannock, Pa.
- Shaw, Daryl Winston
B.S. (Mansfield State Teachers College), Economics, Education. Mansfield, Pa.
- Shearer, Charles James
B.S. (Susquehanna University), Education. McEwensville, Pa.
- Sheese, Mildred Libbie
A.B. (Wilson College), Education, History. Hepburnville, Pa.
- Shelinski, Anthony
B.S. (Mansfield State Teachers College), Education. Dickson City, Pa.
- Sherwin, Edith Evelyn
A.B. (Meredith), Zoölogy. Greensboro, N. C.
- Shields, James Montgomery
A.B. (Moravian College), Economics, Education. Winston-Salem, N. C.
- Shockloss, Michael Daniel
B.S. (Stroudsburg State Teachers College), English, History. Swoyerville, Pa.
- Shryock, Henry Soladay, Jr.
A.B. (St. John's College), Sociology. Baltimore, Md.
- Shull, Paul Eugene
B.S. (Shippensburg State Teachers College), Education, Sociology. Lewistown, Pa.
- Simpson, Robert Sisson
A.B. (Millsaps College), Economics. Ackerman, Miss.

Singleton, Stanton James A.B. (University of Georgia), Zoölogy.	Scott, Ga.
Singley, Alvin Arthur A.B. (Newberry College), A.M. (University of South Carolina), Education, Psychology.	Columbia, S. C.
Skeen, James Morris A.B. (Emory and Henry), Education.	Clintwood, Va.
Sloan, Marion Lucile A.B. (Concord College), History.	Princeton, W. Va.
Smith, Cecil Clive A.B. (University of North Carolina), Education.	Durham, N. C.
Smith, Charles Bunyan B.S. (George Peabody), Economics, Psychology.	Tallasse, Ala.
Smith, Charles William A.B. (Howard), Education.	Hopewell, Va.
Smith, Harry Otto A.B. (Western Maryland), Psychology.	Woodsboro, Md.
Smith, Mattie Mary A.B. (Marshall), Spanish.	White Sul. Spgs., W. Va.
Smith, Paul Samuel B.S. (Slippery Rock State Teachers College), Education, History.	Slippery Rock, Pa.
Smith, Virginia Baxter A.B. (Piedmont College), A.M. (University of Georgia), English.	Demorest, Ga.
Smith, Wilbur Franklin A.B. (Mercer), Education, Psychology.	Hawkinsville, Ga.
Snidow, Mildred Marguerite B.S. (Farmville State Teachers College), Economics, English.	Bassett, Va.
Snodgrass, Annie Lee A.B. (University of Maryland), History.	Norton, Va.
Snow, Denny Alexander A.B. (Wofford), Education.	Reidville, S. C.
Snowden, Jesse Otho A.B. (University of Mississippi), Education.	Hickory, Miss.
Snyder, Alfred Henry B.S. (Grove City College), Education.	Murrysville, Pa.
Snyder, Eleanor Green B.S. (Grove City College), Education.	Murrysville, Pa.
Spencer, John Corson A.B. (University of Richmond), Education.	Guinea Mills, Va.
Stansberry, Katheryn Louise A.B. (Carson-Newman), English, French.	Clinton, Tenn.
Starnes, Alvin Bradley A.B. (Duke), Education.	Mineral Springs, N. C.
Stennett, Leroy A.B. (Concord State Teachers College), Zoölogy.	Hinton, W. Va.
Stephenson, Laura Matthews A.B. (Duke), Education.	Durham, N. C.
Stewart, Laura B.S. (Woman's College of U. N. C.), Education, History.	Monroe, N. C.
Stewart, Mary Alice Leath B.S. (Georgia State College for Women), Education.	Durham, N. C.

- Stowe, David Henry
A.B. (Duke), Education. Oak Ridge, N. C.
- Stradley, Reese Gillespie
B.S. (Emory and Henry), Mathematics. Norton, Va.
- Strange, William Ernest
A.B. (University of Mississippi), Education, Mathematics. Enterprise, Miss.
- Strong, Bess
B.S. (Memphis State Teachers College), History, Latin. Bailey, Tenn.
- Stuart, Charles Morgan
A.B. (Wofford), Mathematics. Coronaca, S. C.
- Surrency, Eileen
B.S. (Wesleyan College), Education. Surrency, Ga.
- Sutton, Chester McKinley
A.B. (Haverford), English. Augusta, Ga.
- Sutton, Homer Bates
B.S. (Georgia State College for Men), Education, English. Albany, Ga.
- Swaringen, Roy Archibald
A.B. (Duke), Education. Norwood, N. C.
- Sykes, Paul Greene
B.S. (Wake Forest), Education. Durham, N. C.
- Taraskavicy, Michael Andrew
B.S. (Villanova), Education, History. Kulpmont, Pa.
- Tarver, David Franklin
A.B. (Centenary College of Louisiana), Religion. Greensboro, N. C.
- Tatum, William Gilchrist
A.B. (Duke), Economics. McColl, S. C.
- Taylor, David Alfred
A.B. (Lambuth College), Education, History. Milan, Tenn.
- Taylor, Edward Stanley
Ph.B. (Grove City College), Education. Mount Carmel, Pa.
- Taylor, Melvin Holmes
A.B. (Duke), Education. Richfield, N. C.
- Taylor, Nancy Nettles
A.B. (Woman's College of U. N. C.), English. Wilmington, N. C.
- Taylor, Richard Glissner
B.S. (Shippensburg State Teachers College), Zoölogy. Shippensburg, Pa.
- Thomas, Bessie Anne
A.B. (Syracuse University), German. Factoryville, Pa.
- Thompson, Laura Ellen
A.B. (High Point College), Economics, Education. Jamestown, N. C.
- Thompson, Maury Weldon
A.B. (William and Mary), A.M. (George Washington), Education. Richmond, Va.
- Thompson, Paul Everett
B.S. (South Georgia Teachers College), Education. Vidalia, Ga.
- Thrift, Susie Webb
A.B. (Duke), Education. Durham, N. C.
- Tillery, Doris Katherine
A.B. (Meredith College), Mathematics. Scotland Neck, N. C.
- Tilley, Mary Pauline
A.B. (Duke), Education. Durham, N. C.
- Timmerman, John Ransom, Jr.
A.B. (Furman), English. Edgefield, S. C.

Timmins, Chester Isaac	Frackville, Pa. B.S. (Kutztown State Teachers College), Education.
Todd, Frances Marion	Augusta, Ga. A.B. (Winthrop), English.
Triplett, Edna Bernadine	Charlotte, N. C. A.B. (Queens College), English.
Trostle, Paul Glenn	Gettysburg, Pa. B.S. (West Chester State Teachers College), Education, English.
Trueblood, Paul Graham	Drain, Oregon A.B. (Willamette University), A.M. (Duke), English.
Tryon, Florence Reno	Pensacola, Fla. B.S. (Florida State College for Women), Education.
Tuck, Lillian Pearl	Virgilina, Va. Ph.B. (Elon College), Latin.
Turner, Clarence Ambrose	South Boston, Va. A.B. (William and Mary), Religion.
Turner, Anne	Dawson, Ga. A.B. (University of Georgia), English, Latin.
Twaddell, Vera Carr	Durham, N. C. A.B. (Duke), Education.
Tyler, George William	Seven Mile Ford, Va. B.S. (Emory and Henry), Mathematics.
Usher, George Ephraim	Homerville, Ga. A.B., A.M. (University of Georgia), English.
VanHook, Benjamin Ormond	Jackson, Miss. A.B. (Millsaps College), A.M. (Vanderbilt), Mathematics.
Wagers, Sadie Franklin	Blackstock, S. C. A.B. (Summerland College), A.M. (University of S. C.), German.
Wagner, Horace McDonald	Montcalm, W. Va. A.B. (Concord State Teachers College), Education, History.
Waite, Alex	Durham, N. C. A.B. (University of South Carolina), Education.
Waite, Emma Campbell	Houston, Texas A.B., A.M. (University of Texas), Education, English.
Waite, Nina	Houston, Texas A.B. (University of Texas), Education, English.
Wall, Thomas Hylmon, Jr.	Collins, Ga. A.B. (Mercer), Education.
Wallace, Frances	Statesville, N. C. B.S. (Woman's College of U. N. C.), English.
Walton, Leslie Hughes	Apple Grove, Va. A.B. (University of Richmond), Education.
Ward, Dean Davidson	Durham, N. C. A.B. (Ohio University), French.
Warren, Marion	Durham, N. C. A.B. (Duke), Religion.
Warren, Millard Whitfield	Durham, N. C. A.B. (Duke), Religion.
Watkins, Anita	Clinton, Miss. A.B. (Mississippi College), English.
Watson, James Donald	Athens, Pa. B.S. (Mansfield State Teachers College), Education.

- Weathers, Elmer Dewey
A.B. (Duke), Religion. Durham, N. C.
- Weaver, James Calvin
A.B. (Lynchburg College), Education, French. Saxis, Va.
- Weddle, William McKinley
B.S. (George Peabody College), Education. Check, Va.
- Weeks, Benn
B.S. (Mansfield State Teachers College), Education. Dalton, Pa.
- Werner, Albert Henry
B.S. (Duke), Education. Durham, N. C.
- Wertz, Roy Albert
A.B. (Muhlenberg College), Education. Frackville, Pa.
- Westmoreland, Sloan
A.B. (University of South Carolina), Education. Travelers Rest, S. C.
- Whaley, Merle Batoon
A.B. (Athens College), Education. Martins, S. C.
- Wheeler, Estelle
A.B. (Newberry College), English, Sociology. Little Mountain, S. C.
- Whisenant, Zack Balous
A.B. (Blue Mountain College), Education. Myrtle, Miss.
- Whitehurst, Margaret Elizabeth
B.S. (Woman's College of U. N. C.), Economics. Rocky Mount, N. C.
- Wick, Charles Victor
B.S. (Slippery Rock State Teachers College), Education. Etna, Pa.
- Wilkerson, Lottie Pearle
A.B. (University of Tennessee), Economics, Sociology. Knoxville, Tenn.
- Wilkinson, Margaret Isabel
B.S. (California, Pa., State Teachers College), Education, History. California, Pa.
- Wilkinson, Ruth Louise
B.S. (Millsaps College), Education. Jackson, Miss.
- Williams, Elizabeth Rose
A.B. (Erskine), English, French. Iva, S. C.
- Williams, Ellis Downing
B.S. (Mansfield State Teachers College), Education. Clark's Summit, Pa.
- Williams, Irene
A.B. (Alabama College), A.M. (George Peabody College), Economics, English. Gadsden, Ala.
- Williams, Staton Pender
A.B. (Duke), Economics. Robersonville, N. C.
- Williams, Victor Oliver
B.S. (California State Teachers College), Education, History. California, Pa.
- Williford, Annie May
A.B. (Barnard College), A.M. (Columbia), History. Anderson, S. C.
- Wilson, Agnes Louise
A.B. (Duke), Education. Durham, N. C.
- Wilson, Dwight Lyman
B.S. (University of Florida), Education. Mayport, Fla.
- Wilson, Elizabeth Gladys
A.B. (Duke), Education. Durham, N. C.
- Wilson, Gerald Franklin
A.B. (Southern College), Economics, Education. Tampa, Fla.

Wilson, Harold Gerald	Center Hill, Fla.
B.S. (University of Florida), Education.	
Wilson, Thornton Rogers	Paces, Va.
A.B. (Hamden-Sydney), English.	
Wimbish, Florelle Burwell	Nathalie, Va.
A.B. (William and Mary), Education, English.	
Winton, Lowell Sheridan	Fredericktown, Pa.
B.S. (Grove City College), A.M. (Oberlin College), Mathematics.	
Witt, Catherine	Tupelo, Miss.
A.B. (Tulane), Mathematics.	
Wolff, Ruth Elizabeth	Newport, Ky.
A.B. (Western College, Ohio), Economics.	
Wollet, Charles	Statesboro, Ga.
A.B. (Newberry), Education.	
Wood, Euna Kelly	Union, Miss.
A.B. (Asbury College), Economics, History.	
Wood, Helene Evaline	Akeley, Penn.
B.S. (Indiana Teachers College), Economics, Sociology.	
Wood, Lena Emily	Union, Miss.
A.B. (Asbury College), French.	
Wyatt, Alexander Knox	Chickamauga, Ga.
B.S. (Presbyterian College), Economics.	
Zirkle, William Isaiah	Edinburg, Va.
A.B. (Roanoke College), Education, English.	

JUNALUSKA SUMMER SCHOOL OF 1933

Anderson, Lewis Edward	Courtland, Miss.
B.S. (Mississippi State), A.M. (Duke), Botany.	
Bogges, William Randolph	Oakvale, W. Va.
A.B. (Concord State, West Virginia), Botany.	
Bowles, Madison Harwell	Gay, Ga.
B.S. (Emory), Botany.	
Evans, Blanche	Goodwater, Ala.
A.B. (University of Alabama), Botany.	
Glasson, Mary Embry	Durham, N. C.
A.B. (Duke), Botany.	
Hoganson, Orpha Ilese	Humboldt, Iowa
B.S. (University of Minnesota), Botany.	
Mallard, Morgan Elmo	Savannah, Ga.
B.S. (South Georgia State Teachers College), Botany.	
Orr, Emily	Macon, Ga.
A.B. (Wesleyan College, Georgia), Botany.	
Parham, Chester Lee	Jackson, Tenn.
A.B. (Lambuth), Botany.	
Singletary, Mary Leora	Kissimmee, Florida
B.S. (Florida State College for Women), Botany.	
Slack, Mabel	Louisville, Ky.
B.S. (University of Louisville), Botany.	
Smith, Frank Ferrell	Durham, N. C.
A.B. (Duke), Botany.	
Thackston, Thomas Jackson	Greenville, S. C.
B.S. (Furman), Botany.	

SUMMER OF 1933; SECOND TERM

Adams, Ruby Irene	Jacksonville, Fla.
A.B. (Florida State College for Women), Education, History.	
Allston, Mary Louise	Greenwood, S. C.
A.B. (Lander), Education.	
Anderson, Mary Ruby	York, Pa.
B.S. (Drexel), Education, Psychology.	
Anderson, Thomas, Jr.	Greenville, S. C.
A.B. (Furman), Education.	
Archer, Ralph Oren	Johnson City, Tenn.
B.S. (State Teachers College, Johnson City), History.	
Balch, Alfonso Joseph	Philadelphia, Pa.
B.S. (Ursinus), Education, Zoölogy.	
Baldwin, Clinton Theodore	Orangeburg, S. C.
A.B. (Furman), History.	
Barbee, Arthur Odell	Durham, N. C.
A.B. (Duke), Education.	
Barocco, Orlando Iderico	Elkland, Pa.
B.S. (Mansfield State Teachers College), Education.	
Bateman, Eva	New Bern, N. C.
A.B. (East Carolina Teachers College), Education.	
Bates, Florence Wannamaker	Orangeburg, S. C.
A.B. (Winthrop), English, French.	
Baucom, Thomas Victor	Durham, N. C.
A.B. (Duke), Mathematics.	
Beavers, Hallie	Siler City, N. C.
A.B. (Woman's College of U. N. C.), Education.	
Bell, Mary Catherine	Richmond, Va.
A.B. (University of Richmond), Latin.	
Belles, Oscar	Greenville, Pa.
A.B. (Harvard), A.M. (Columbia), Mathematics.	
Bennett, Walter Hartwell, Jr.	Danville, Va.
A.B. (University of Richmond), Economics.	
Benson, Olga Dorothea	Miami, Fla.
A.B. (University of Miami), Education.	
Bettersworth, John Knox	Jackson, Miss.
A.B. (Millsaps), History.	
Boggs, Eunice Elizabeth	Liberty, S. C.
A.B. (Greenville Woman's College), English, History.	
Boggs, Mary Amber	Liberty, S. C.
A.B. (Greenville Woman's College), Latin.	
Bolen, Claude Waldron	Bluefield, W. Va.
A.B. (Emory and Henry), Education, History.	
Bond, Wita Avis	Rocky Mount, N. C.
A.B. (East Carolina Teachers College), Mathematics.	
Boothe, Mildred Louise	Fort Pierce, Fla.
A.B. (Wesleyan, Ga.), Education.	
Boyd, Ophelia Adele	Jacksonville, Fla.
A.B. (Florida State College), History, Mathematics.	
Bramlette, Nancy Lucile	Greenville, S. C.
A.B. (Winthrop), Education, English.	

- Brandt, Bartholomew Brandner Washington, N. C.
B.S. (Mississippi State College), Zoölogy.
- Braswell, Marcus Battle Whitakers, N. C.
A.B. (University of North Carolina), Education.
- Brown, Neil Big Spring, Texas
A.B. (Baylor University), Zoölogy.
- Browning, Elmer Ross Sharples, W. Va.
A.B. (Marshall), Education.
- Brua, Naomi Isabelle Hollidaysburg Pa.
B.S. (Indiana State Teachers College), Education.
- Buchanan, Grace Evelyn Chilhowie, Va.
A.B. (Duke), Education.
- Bukowski, Joseph Frank Plymouth, Pa.
A.B. (Dickinson), Education, History.
- Bull, Virginia Anne Atlanta, Ga.
A.B. (Wesleyan), History.
- Bumgarner, Winnie Lucille Hickory, N. C.
A.B. (Lenoir-Rhyne), History.
- Bundick, Clothilde Charlotta Pocomoke City, Md.
A.B. (Goucher), Chemistry.
- Burdick, Donald Langworthy Rockville, R. I.
B.S. (Alfred), A.M. (Columbia), Chemistry.
- Burgess, James Rowland, Jr. Ashburn, Ga.
A.B. (Emory), Education.
- Caffrey, Mary Margaret Sugar Notch, Pa.
A.B. (Susquehanna University), Education, English.
- Caldwell, John Tyler Yazoo City, Miss.
B.S. (Mississippi State College), Economics.
- Caldwell, Lake S. Charleston, W. Va.
B.S. (University of Missouri), History.
- Carr, Howard Ernest Johnson City, Tenn.
B.S. (Tennessee State Teachers College), Education.
- Carruth, Christian Hoover, Jr. McComb, Miss.
B.S. (Millsaps), Education.
- Carter, Roland DeBuske Dryden, Va.
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- Chandler, Everett Roller Chester, W. Va.
B.S. (Mount Union College), Zoölogy.
- Chapman, Marjorie Lee Crouse, N. C.
A.B. (Woman's College of U. N. C.), Education.
- Chapman, Ralph Kennedy Newport, Ky.
A.B. (Georgetown), Mathematics.
- Chazal, Charlotte Blanchard Ocala, Fla.
A.B. (Florida State College for Women), Education.
- Cheney, Sarah Anne Carrollton, Ga.
A.B. (Georgia State College for Women), English.
- Clark, Catherine Mary Murfreesboro, Tenn.
A.B. (Tennessee College), Education, English.
- Clarke, Coleman Daniel Marshallville, Ga.
A.B. (Mercer), English.
- Clarke, Jeremiah Coleman Marshallville, Ga.
A.B. (Mercer), Education, English.

Coleman, Elizabeth Donna	Fort Worth, Texas
A.B. (Texas Woman's College), Education, English.	
Coleman, Margaret Louise	Durham, N. C.
A.B. (Duke), English.	
Couard, Thomas Pennington	Lansdowne, Pa.
B.S. (West Chester), Education.	
Cotton, Nell	Asheville, N. C.
A.B. (Mississippi Woman's College), Mathematics.	
Couch, Leon	Eureka, N. C.
A.B. (Emory and Henry), History.	
Couch, Mrs. Leon	Eureka, N. C.
B.S. (Woman's College of U. N. C.), Education.	
Couch, Marie Love	Durham, N. C.
A.B. (Duke), Education.	
Covington, Bessie	Red Springs, N. C.
A.B. (Flora Macdonald), Latin.	
Cowden, Matthew Benjamin	Harrisburg, Pa.
A.B. (Dartmouth), History.	
Craig, Ellen Jones	Hillsboro, N. C.
A.B. (Greensboro College), A.M. (University of North Carolina), Education.	
Craig, Gilbert	Hillsboro, N. C.
A.B., A.M. (University of North Carolina), Education.	
Cummings, Willetta Bernadine	Hynes, Pa.
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Cunningham, Marcus Earl	Fayetteville, Ark.
A.B. (University of Arkansas), A.M., B.D. (Duke), Education.	
Curlee, Arley Theodore	Polkton, N. C.
A.B., A.M. (University of North Carolina), Mathematics.	
Davis, Alberta Lee	Pensacola, Fla.
A.B. (Florida State College for Women), English.	
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A.B. (Smith), Education.	
Day, Russell Van Buren	Ronda, N. C.
A.B. (North Carolina State), Education.	
Deans, Edwina	Wilson, N. C.
A.B. (Woman's College of U. N. C.), Education.	
Derric', Jacob Raymond	Unityville, Pa.
A.B. (Bucknell), Education.	
Diffenderfer, William Gibney	Mount Joy, Pa.
A.B. (Franklin and Marshall), English.	
Dillon, Conley Hall	Huntington, W. Va.
A.B. (Marshall), A.M. (Duke), Economics.	
Doby, Lillian	Newsom, N. C.
A.B. (Woman's College of U. N. C.), Education.	
Doub, Richard Edward	Williamsport, Md.
B.S. (Gettysburg), Education.	
Dowler, Clare	Ashtabula, Ohio
A.B. (Antioch College), English.	
Doyle, Thomas Clarence	Keystone, W. Va.
A.B. (Virginia Polytechnic Institute), Education.	
Duncan, Jeannette Irene	Dunn, N. C.
A.B. (Bowling Green), Education.	

- Dunlap, James Mendenhall Columbia, N. C.
A.B. (University of North Carolina), Education.
- Durst, Margaret Rebecca Keyser, W. Va.
A.B. (University of Michigan), English, History.
- Eckard, Edwin Woodrow Point Pleasant, W. Va.
A.B. (Marshall), Economics.
- Eidson, John Olin Spartanburg, S. C.
A.B. (Wofford), A.M. (Vanderbilt), English.
- Ellis, Melvin Hobson Lexington, Miss.
A.B. (University of Mississippi), Education, History.
- Ellis, William Louis Statesboro, Ga.
B.S. (North Georgia College), Education.
- Eskridge, Thomas Joseph, Jr. Greenwood, S. C.
A.B. (Emory and Henry), A.M. (George Peabody), Education, Psychology.
- Evancoe, Paul John Renovo, Pa.
A.B. (Lebanon Valley), Education, English.
- Farris, Gladys Lindsey Allisonia, Va.
B.S. (East Radford State Teachers College) English, History.
- Felts, Carl Monroe King, N. C.
A.B. (Emory and Henry), Education.
- Ferguson, Marguerite Jacksonville, Fla.
A.B. (Central State), English.
- Flanders, Bertram Holland Oxford, Ga.
A.B., A.M. (Emory), English.
- Fletcher, Ward Thomas Greensboro, Fla.
B.S. (University of Florida), Education, Mathematics.
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- Flory, Lula Mae Royersford, Pa.
A.B. (Gettysburg), English.
- Fluegel, Edna Rose Wilkes-Barre, Pa.
A.B. (Marywood), Economics.
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B.S. (West Chester Teachers College), Education.
- Forrest, Jesse Thomas Kinston, N. C.
A.B. (Atlantic Christian College), B.D. (Vanderbilt), Education, History.
- Francis, Luther Edgar Francisco, N. C.
A.B. (Guilford), English.
- Frantz, Ezra Waymart, Pa.
Ph.B. (Muhlenberg), Education.
- Frazer, Emmet Manly Richmond, Va.
A.B. (Pennsylvania College), Education.
- Frear, Edgar Paul Montrose, Pa.
B.S. (Mansfield State Teachers College), Education, Psychology.
- Gecenek, Isadore Nathan Salem, N. J.
A.B. (St. John's College), History.
- Geer, Cornelia Evelyn Rutherfordton, N. C.
A.B. (Greensboro College), Economics.
- Gemberlin, Laura Leona Selingsgrove, Pa.
B.S. (Susquehanna University), English.
- Gills, Lawton Lee Bluefield, W. Va.
B.S. (William and Mary), Education.

- Goodman, Virginia Alexander Salisbury, N. C.
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- Graham, Emma Reges Erie, Pa.
B.S. (Ohio University), M.Ed. (University of Pittsburgh), Education,
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- Gray, Elizabeth Camille Durham, N. C.
A.B. (Duke), Education.
- Griffiths, Elizabeth Isabel Pittsburgh, Pa.
B.S. (University of Pittsburgh), Education.
- Griggs, Georgia Maye Ruby, S. C.
A.B. (Coker), English, History.
- Grimm, Anna Norfolk Linthicum Heights, Md.
A.B. (Goucher), Economics.
- Grogan, John Stafford Kimball, W. Va.
A.B. (Emory and Henry), Zoölogy.
- Guy, John Ansley Crescent City, Fla.
A.B. (Asbury), Education.
- Guy, Philip Aloysius Mildred, Pa.
B.S. (Mansfield State Teachers College), Education.
- Hale, Robert Nelson Erie, Pa.
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- Hardy, Katherine Eleanor Bluefield, Va.
A.B. (Randolph Macon Woman's College).
- Harrison, Carl Ross Edinboro, Pa.
B.S. (Edinboro State Teachers College), Education.
- Harrison, Francis Eugene, Jr. Abbeville, S. C.
B.S. (The Citadel), French, History.
- Hassell, Allene Brinkley Kinston, N. C.
A.B. (East Carolina Teachers College), Education.
- Hedeman, Emma Ruth Baltimore, Md.
A.B. (Goucher), Mathematics.
- Heffner, Abner Henry Hamburg, Pa.
B.S. (Kutztown State Teachers College), Education, Mathematics.
- Heffner, Carl B. Fleetwood, Pa.
B.S. (Muhlenburg College), Education.
- Hempel, Robert Charles N. Braddock, Pa.
A.B. (University of Pittsburgh), English.
- Henderson, Grace Monroe, N. C.
A.B. (Flora Macdonald), Latin.
- Henderson, Mary Elizabeth Cartersville, Ga.
A.B. (Wesleyan), Economics.
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- Hernick, Michael Edward Chesapeake City, Md.
A.B. (Western Maryland College), Education.
- Hester, Ernest Carrington Durham, N. C.
A.B. (Duke), Zoölogy.
- Hewel, Onyce Olive Dewey Rose, Ga.
A.B. (Piedmont), English, French.

Hickman, Carrie Velna A.B. (Erskine), Education, English.	Due West, S. C.
Hilfiger, Henry Bennett B.S. (Mansfield State Teachers College), Education.	Ulysses, Pa.
Hinderer, Mildred V. B.S. (University of Pittsburgh), Chemistry.	Pittsburgh, Pa.
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Hoffman, Raymond Norton A.B. (Dickinson), Education, English.	Altoona, Pa.
Hoke, Hugh Holman B.S. (Gettysburg College), Education.	Hanover, Pa.
Holman, Eliot Lamar B.S. (University of Virginia), Education.	Florence, S. C.
Holt, Nancy Binford B.S. (Farmville State Teachers College), Education.	Wakefield, Va.
Hood, Ralph Erskine A.B. (Erskine), Education.	Mooresville, N. C.
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Hucks, Jacquelyn B.S. (Florida State College for Women), English.	Fort Pierce, Fla.
Hudnall, Eva Irene B.S. (Farmville State Teachers College), English.	Critz, Va.
Hughes, Homer Howard B.Ph. (Emory), English.	Sycamore, Ga.
Hunt, Mary Elizabeth A.B. (Asbury), Education.	Pleasant Garden, N. C.
Illich, Mary Virginia A.B. (Goucher), Economics, History.	Baltimore, Md.
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John, Mrs. Roderick Belton A.B. (Guilford), Education, English.	Fayetteville, N. C.
Johnson, Aliene A.B. (Catawba), English.	Salisbury, N. C.
Jones, Ethel Hughes A.B. (Greenville Woman's College), Education.	Fountain Inn, S. C.
Jones, William David B.S. (East Stroudsburg State Teachers College), Education.	Wilkes-Barre, Pa.
Joslin, Vinnie Rona A.B. (Earlham), English, History.	Centerville, Ind.
Keen, Ruth B.S. (George Peabody), History.	Bowling Green, Ky.
Kelley, Ruth Emma A.B. (Asbury), Education.	Central, S. C.
King, Emily Barton A.B. (Converse), English	Spartanburg, S. C.
Kirkland, Mary Rebecca A.B. (Duke), Education.	Durham, N. C.
Kostenbader, Dorothea Marie A.B. (Muhlenberg), Education.	Allentown, Pa.

- Kreider, Charles Casper
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- Lambert, Eloise
A.B. (Duke), French, History. Ironton, Ohio
- Landis, Allyne Wilder
A.B. (Belhaven), English. Jackson, Miss.
- Landis, Robert James
B.S. (Millsaps College), Education, History. Jackson, Miss.
- Langdale, Marguerite
A.B. (Georgia State Woman's College), Latin. Valdosta, Ga.
- Langfitt, Kathleen Louise
A.B. (Marshall), English, Education. Huntington, W. Va.
- Latham, Dennis Harold
B.S. (North Carolina State), A.M. (Duke), Education. Bath, N. C.
- Lawton, Alethea Helen
A.B. (George Washington University), English. Washington, D. C.
- Leibensperger, Bruce Tilghmann
B.S. (Bucknell), Mathematics. Summit Hill, Pa.
- LeRoy, Hester Franklin
A.B. (Mercer), English. Clay Hill, Ga.
- Lewis, Gomer Junior
B.S. (Mansfield State Teachers College), Education, History. Jermyn, Pa.
- Lincoln, Clarence Elizabeth
A.B. (Elon), Education, History. Broadway, Va.
- Little, Leavitt Webster
A. B. (Tennessee Wesleyan), Education, English. Tarpon Springs, Fla.
- Lovvorn, Mary
A.B. (Bessie Tift), Education, English. Carrollton, Ga.
- Loyless, Angie Elizabeth
A.B. (Lander), Education. Wellford, S. C.
- McCafferty, Ruth Lewis
A.B. (University of Chattanooga), English. Chattanooga, Tenn.
- McCall, Margaret
A.B. (Birmingham-Southern), Economics. Birmingham, Ala.
- McCracken, Theo Orth
Litt.B. (Grove City), Education. Mildred, Pa.
- McEwen, Noble Ralph
A.B. (Birmingham-Southern), A.M. (Duke), German. Irondale, Ala.
- McGhee, Grant Oliver
A.B. (Emory and Henry), Mathematics. Roanoke, Va.
- McNicoll, Robert Edwards
A.B. (University of Miami), History. Hollywood, Fla.
- Massey, Winston Louis
A.B. (University of Chattanooga), Mathematics. Chattanooga, Tenn.
- Mattern, Jay Richard
B.S. (Susquehanna University), Education. Troxelville, Pa.
- May, William Henry
A.B. (Duke), Education. Durham, N. C.
- Maynard, Martha
A.B. (Meredith), A.M. (Wellesley), Latin. Raleigh, N. C.

- Meeks, Lucile Lester
A.B. (Randolph-Macon Woman's College), English. Baltimore, Md.
- Meredith, Evelyn Tucker
A.B. (University of Cincinnati), English, History. Nichols, Fla.
- Meredith, Flora Marie
A.B. (Duke), Education. Fort Pierce, Fla.
- Meyer, Ambrose Eden
A.B. (Lebanon Valley), History. Jacksonville, Fla.
- Miller, Frank Myron
A.B. (Pennsylvania State), A.M. (Stanford), Education. Erie, Pa.
- Miller, Nancy Hartley
A.B. (University of Louisville), Education. Ashland, Ky.
- Miller, Robert Edward
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- Moore, Bertha
B.S. (Salem), Education, History. Fayetteville, N. C.
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B.S. (Virginia Military Institute), Education. Roanoke, Va.
- Morrow, Abby Orr
A.B. (Western College), Economics. Louisville, Ky.
- Morrow, Alice Elbridge
A.B. (Western College), Education, History. Louisville, Ky.
- Mounts, Charles Eugene
A.B., A.M. (University of Florida), English. Gainesville, Fla.
- Mouton, Eve Rita
A.B. (Southwestern Louisiana Institute), Education. Lafayette, La.
- Mumford, Carey Gardner
A.B. (Wake Forest), Mathematics. Raleigh, N. C.
- Munsey, Lassie May
A.B. (University of Chattanooga), Economics. Wartrace, Tenn.
- Neal, Louise
B.S. (Georgia State College for Women), Education. Sylvania, Ga.
- Newcomer, Richard Seyler
B.S. (Ursinus), Economics. Elkins Park, Pa.
- Newlin, Ira Guthrie
B.S. (Guilford), A.M. (Haverford), Chemistry. Saxapahaw, N. C.
- Newman, Mary Rowena
A.B. (Duke), English. Winston-Salem, N. C.
- Newman, Sidney Harold
A.B. (Washington and Lee), Chemistry. Danville, Va.
- Northcutt, Jewelle Rosalind
A.B. (Columbia College), Latin. McFarlan, N. C.
- Norton, William Randolph
A.B. (Lynchburg), Education. Glen Hedrick, W. Va.
- Okes, Karl Jansen
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- Osborne, Anne Martha
A.B. (Earlham), A.M. (University of Pennsylvania), English. Danville, Ind.
- Otey, Cosby Millard
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- Parnell, Ruth Elizabeth
A.B. (Lebanon Valley), Education, Latin. Minersville, Pa.

- Parrish, Albert Archie
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- Pearce, Lora May
Ph.B. (University of Chicago), Education. Augusta, Ga.
- Pelton, Marion Louise
B.S. (East Stroudsburg State Teachers College), Education, English. E. Stroudsburg, Pa.
- Peterson, Daniel McLeod
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- Poole, Sarah Elizabeth
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- Potts, Sarah Lee
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- Powell, Caroline Egerton
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- Powell, James Dewey
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- Reeves, Carl Walker
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- Reyst, Klara Frederika
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- Rhoades, Paul Hubbard
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- Ricand, Margaret McLaurin
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- Riddick, Floyd Millard
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- Roberts, Daisy Mae
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- Roberts, Lucien Emerson
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- Ropp, George William
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- Rourk, Catharine Marion
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Simms, Frank Ambrose B.S. (Mansfield State Teachers College), Education.	Scranton, Pa.
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Smith, Charles Bunyan B.S., A.M. (George Peabody), Economics, Psychology.	Tallassee, Ala.
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Speight, Mary Bruce A.B. (Woman's College of U. N. C.), Education.	Stantonsburg, N. C.
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Stennett, Leroy A.B. (Concord State), Zoölogy.	Hinton, W. Va.
Stephenson, Laura Matthews A.B. (Duke), Education.	Durham, N. C.
Stowe, David Henry A.B. (Duke), History.	Oak Ridge, N. C.
Stradley, Reese Gillespie B.S. (Emory and Henry), Mathematics.	Norton, Va.
Strange, William Ernest A.B. (University of Mississippi), Mathematics.	Enterprise, Miss.
Stuart, Charles Morgan A.B. (Wofford), Mathematics.	Coronaca, S. C.
Sutton, Homer Bates B.S. (Georgia State College for Men), English.	Albany, Ga.
Taylor, Edward Stanley Ph.B. (Grove City), Education.	Mount Carmel, Pa.
Taylor, Mary Thelma A.B. (Susquehanna), Mathematics, Education.	Mount Carmel, Pa.
Taylor, Nancy Nettles A.B. (Woman's College of U. N. C.), English.	Wilmington, N. C.
Taylor, Richard Glissner B.S. (Shippensburg State Teachers College), Zoölogy.	Shippensburg, Pa.
Thompson, Maury Weldon A.B. (William and Mary), A.M. (George Washington), Education.	Richmond, Va.

Tillery, Doris Katherine A.B. (Meredith), Mathematics.	Scotland Neck, N. C.
Tolliver, Roy Douglas Ph.B. (Dickinson), History.	Democrat, Ky.
Triplett, Edna Bernadine A.B. (Queens), English.	Charlotte, N. C.
Tryon, Florence Reno B.S. (Florida State College for Women), Education.	Pensacola, Fla.
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Tyler, George William B.S. (Emory and Henry), Mathematics.	Seven Mile Ford, Va.
Van Hook, Benjamin Ormond A.B. (Millsaps), A.M. (Vanderbilt), Mathematics.	Jackson, Miss.
Vest, Ruth Watkins B.S. (Rutgers), Economics, History.	High Point, N. C.
Walton, Leslie Hughes A.B. (University of Richmond), Education.	Apple Grove, Va.
Watson, James Donald B.S. (Mansfield State Teachers College), Education, Mathematics.	Athens, Pa.
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Wheeler, Byrl Annette A.B. (University of Miami), Education.	Miami Beach, Fla.
Williams, Staton Pender A.B. (Duke), Economics.	Robersonville, N. C.
Willits, Dorothy Kauffman Ph.B. (Dickinson), Mathematics.	Ephrata, Pa.
Wilson, Robert Delmar A.B. (Susquehanna), Education, History.	Waymart, Pa.
Wilson, Thornton Rogers A.B. (Hampden-Sydney), English.	Paces, Va.
Witt, Catherine A.B. (Tulane), Mathematics.	Tupelo, Miss.
Wolfe, Quentin Donald B.S. (Lock Haven State Teachers College), History.	Pittsfield, Pa.
Wyche, Alma Virginia A.B. (Duke), Chemistry.	Weldon, N. C.
Young, Raymond B.S. (East Tennessee State Teachers College), History.	Johnson City, Tenn.
Zirkle, William Isaiah A.B. (Roanoke College), Education, English.	Edinburg, Va.

THE SCHOOL OF LAW

FIRST YEAR CLASS

Alley, Robert Cline B.A., Duke University, 1933.	Waynesville, N. C.
Bomar, Horace Leland, Jr. B.A., Furman University, 1933.	Spartanburg, S. C.
Bray, Jerry Garrett, Jr. Duke University, 1929-1933.	South Norfolk, Va.

- Clouser, H. Gordon
B.A., University of New Mexico, 1933. Gibraltar, Pa.
- Cook, Franklin Henry
B.A., Bucknell University, 1933. Vicksburg, Pa.
- Cook, Robert Nevin
B.A., Bucknell University, 1933. Vicksburg, Pa.
- Cutter, Walter Airey
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A.B., Central College, 1928; M.A., Duke University, 1930;
B.D., Duke University, 1931; Ph.D., Duke University, 1933.
- Davis, S. Ben, Jr.
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- Dillard, Alexander Fleet
Centre Cross, Va.
A.B., Hampden-Sydney College, 1933.
- Gibson, Fillmore Sloan
Walnut Ridge, Ark.
B.A., Duke University, 1933.
- Goldstein, Harry
Providence, R. I.
A.B., Brown University, 1933.
- Green, Martin Klapp
Raleigh, N. C.
B.A., Duke University, 1932.
- Henderson, James MacDougall
New York, N. Y.
B.A., Trinity College, 1933.
- Hiller, Russell Leon
Bernharts, Pa.
B.S. in Bus. Adm., Albright College, 1931; Graduate School,
University of Pennsylvania, 1931-1932.
- Hunoval, Joseph Andreas
Irvington, N. J.
B.S. in Bus. Adm., Lehigh University, 1931.
- Jaffe, David
Durham, N. C.
B.A., Duke University, 1933.
- Jordan, Welch Oliver
Atlanta, Ga.
A.B., Emory University, 1933.
- Knott, Lawson Beasley, Jr.
Wendell, N. C.
B.A., Duke University, 1933.
- Loeb, Edna
Columbus, Miss.
B.A., Mississippi State College for Women, 1933.
- Lundgren, Carl Raymond
New Haven, Conn.
B.A., Duke University, 1933.
- McKeithen, Leland
Aberdeen, N. C.
B.A., Davidson College, 1933.
- Maxwell, Mary Louise
Beckley, W. Va.
Wesleyan College, 1930-1932; Duke University, 1932-1933.
- Miller, Garnet Edward
Erwin, Tenn.
Carson-Newman College, 1930-1933.
- Miller, Murray Augustine
Portsmouth, Va.
Duke University, 1930-1933.
- Moore, Alvin O'Brien
Murfreesboro, Tenn.
Vanderbilt University, 1930-1932; Duke University, 1932-1933.
- Murphy, W. D., Jr.
Batesville, Ark.
A.B., University of Arkansas, 1933.
- Myers, John Albert
Oxford, N. C.
B.A., Duke University, 1933.
- Peterson, Ivar Herbert
Kettle Falls, Wash.
B.A., State College of Washington, 1933.

Rice, Leon Leftwich B.A., Furman University, 1933.	Anderson, S. C.
Robison, William, Jr. B.A., Wabash College, 1933.	Frankfort, Ind.
Rubin, Edward A.B., University of California at Los Angeles, 1933.	Los Angeles, Calif.
Salley, George Henry A.B., Rollins College, 1932.	South Berwick, Maine
Scolnik, Samuel B.A., Bates College, 1933.	Lewiston, Maine
Seymour, Woodrow Wilson B.A., Davidson College, 1933.	Sanford, N. C.
Taft, Edmond Hoover, Jr. Duke University, 1929-1931, 1932-1933.	Greenville, N. C.
Tate, William Howard Duke University, 1930-1933.	South Bend, Ind.
Todd, Edward B.A., Duke University, 1933.	Spencer, N. C.
Troxler, Therman Joseph B.A., Duke University, 1933.	Elon College, N. C.
Van Antwerp, Richard Eggerton Duke University, 1930-1933.	Williamsport, Pa.
Weatherspoon, Everett B. B.A., Duke University, 1930.	Durham, N. C.
Whitcomb, Kathryn Abbie A.B., Wheaton College, 1933.	South Walpole, Mass.

SECOND YEAR CLASS

Adelson, Morris William A.B., Washington and Lee University, 1932.	Covington, Va.
Bergeson, Rollo H. B.A., University of South Dakota, 1932.	Sioux City, Ia.
Booth, Roy Murphy B.A., Duke University, 1932.	Pollocksville, N. C.
Boyd, Henry Armistead A.B., University of North Carolina, 1933; University of North Carolina Law School, 1932-1933.	Warrenton, N. C.
Colton, John Milton, 2nd. B.A., Lafayette College, 1932.	Washington, D. C.
DuBose, Eugene Zemp B.A., Davidson College, 1932.	Camden, S. C.
Farthing, William Patrick B.A., Duke University, 1932.	Durham, N. C.
Fletcher, Frank Utley North Carolina State College, 1927-1929; LL.B., Wake Forest College, 1932.	Raleigh, N. C.
Funk, William Marshall A.B., Vanderbilt University, 1932; Vanderbilt University Law School, 1932-1933.	Bowling Green, Ky.
Grimm, Karl Joseph, Jr. A.B., Gettysburg College, 1931.	Gettysburg, Pa.
Harmon, John Calvin, Jr. Duke University, 1926-1927, 1928-1930; Wofford College, 1928.	Stumpy Point, N. C.

- Kennon, Albert Wilson, Jr.
B.A., Lafayette College, 1932.
- Lupton, Elizabeth Taylor
A.B., Pennsylvania College for Women, 1932.
- Miller, James Marshall
A.B., Dakota Wesleyan University, 1932.
- Moore, Edward Lawson
Duke University, 1930-1933.
- Mullen, James
B.A., Duke University, 1932.
- Murchison, Duncan Cameron
A.B., Western Maryland College, 1932.
- Neblett, John
Riverside Junior College, 1929-1931; University of California, 1931-1932.
- Orem, Nicholas, Jr.
B.A., Duke University, 1932.
- Peteet, Porter Weaver
B.A., University of Mississippi, 1931.
- Pettus, Erle, Jr.
B.A., Princeton University, 1932.
- Powell, Roy Alexander
A.B., Wofford College, 1930.
- Sanders, Julius Taft
B.A., Duke University, 1932.
- Sidor, Walter John
B.S., Trinity College, 1932.
- Smith, Emma Lee
B.A., Duke University, 1928.
- Smith, Ora Lee
B.A., Duke University, 1932.
- Upchurch, Walter McGowan, Jr.
B.A., Duke University, 1931.
- Walker, Francis Edgar
B.A., Bucknell University, 1932.
- St. Clairsville, Ohio
- Pittsburgh, Pa.
- Mitchell, S. Dak.
- Durham, N. C.
- Dothan, Ala.
- Alexandria, Va.
- Riverside, Calif.
- Hyattsville, Md.
- Greenwood, Miss.
- Birmingham, Ala.
- Spartanburg, S. C.
- Chester, S. C.
- Hartford, Conn.
- Durham, N. C.
- Albemarle, N. C.
- Durham, N. C.
- Lewisburg, Pa.

THIRD YEAR CLASS

- Armfield, Joseph Henry, Jr.
B.A., Duke University, 1931.
- Book, Abraham Benjamin
B.A., Duke University, 1930.
- Bowie, Thomas Contee, Jr.
A.B., University of North Carolina, 1931;
Yale University School of Law, 1931-1932.
- Bryson, Edward Constant
University of North Carolina, 1922-1925.
- Cleveland, Green Harp
B.A., Furman University, 1932.
- Cotton, Albert Henry
B.A., Duke University, 1930.
- Dewicki, John Anthony
B.A., Union University, 1930; University of Michigan Law School,
1930-1931; Catholic University of America Law School, 1931-1932.
- Greensboro, N. C.
- Asheville, N. C.
- West Jefferson, N. C.
- Durham, N. C.
- Greenville, S. C.
- Durham, N. C.
- Schenectady, N. Y.

Finley, Robert Corpening B.A., Duke University, 1930.	Asheville, N. C.
Haworth, Byron Allen A.B., Guilford College, 1928.	Salisbury, N. C.
Heefner, Edward Siever, Jr. B.A., Davidson College, 1930.	Winston-Salem, N. C.
Mason, William Alexander B.S., Davidson College, 1931.	Belmont, N. C.
Maxwell, Robert Wallace A.B., Westminster College, 1930.	New Wilmington, Pa.
Miller, Charles Henderson, Jr. B.A., Duke University, 1928.	Durham, N. C.
Murphy, Charles Springs B.A., Duke University, 1931.	Durham, N. C.
Perrow, Mosby Garland, Jr. A.B., Washington and Lee University, 1930.	Lynchburg, Va.
Price, William Archer A.B., University of Alabama, 1931; University of Alabama Law School, 1931-1932.	Birmingham, Ala.
Sanders, Paul Hampton A.B., Austin College, 1931.	Sherman, Texas
Seaks, Robert Gilpin A.B., Gettysburg College, 1931.	Harrisburg, Pa.
Seigler, Harold Courtenay B.A., Furman University, 1932; Furman University Law School, 1931-1932.	Batesburg, S. C.
Vinson, Edward Robertson A.B., Emory University, 1931.	Macon, Ga.
Whitson, Joseph McDowell A.B., Birmingham-Southern College, 1931.	Birmingham, Ala.
Wilson, Samuel Allen A.B., Presbyterian College, 1928.	Abbeville, S. C.

GRADUATE STUDENT

Everett, Henry L. LL.B., Boston University, 1923; LL.M., Duke University, 1933.	Weaverville, N. C.
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THE SCHOOL OF MEDICINE

FIRST YEAR STUDENTS

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Raymond DeLacey Adams.....	Portland, Oregon.....	1014 Lamond Ave., Durham, N. C.
Trogler Francis Adkins.....	Durham, N. C.....	2101 Club Blvd., Durham, N. C.
Francis William Alter, Jr.....	Toledo, Ohio.....	Duke University, House C.
Gordon Joseph Axelson.....	Chicago, Ill.....	1010 Gloria Ave., Durham, N. C.
Maynard Backer Badanes.....	Flushing, N. Y.....	Duke Hospital <i>The Johns Hopkins University.</i>

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Bradford Bissell.....	New York, N. Y..	1807 W. Pettigrew St., Durham, N. C.
<i>Cornell University;</i> <i>University of North Carolina.</i>		
Wilbur Starr Brooks.....	Dunnville, Ont., Can...	Duke University, House A.
<i>Cornell University;</i> <i>Columbia University.</i>		
Everett Irving Bugg, Jr.....	Durham, N. C.....	Forest Hills, Durham, N. C.
<i>Duke University.</i>		
Julius Caesar Burge, Jr.....	York, S. C.....	Duke University, House C.
<i>The Citadel.</i>		
Margaret Virginia Burns.....	Asheville, N. C.....	Women's Campus, Duke University, Jarvis House
<i>Duke University.</i>		
Peter Paul Chornack.....	Mount Carmel, Pa.....	407 Cook St., Durham, N. C.
<i>Georgetown University;</i> <i>Duke University.</i>		
Raymond E. P. Cunningham..	Bluefield, W. Va.....	Duke University, House C.
<i>Bluefield College.</i>		
Harry Leonard Dein.....	Altantic City, N. J.....	Duke University, House U.
<i>Duke University.</i>		
Sidney Martin Edwards.....	Fremont, N. C.....	Duke University, House V.
<i>Duke University.</i>		
Ira Chenault Evans.....	Winchester, Ky.....	Duke Hospital
<i>Tennessee Military Institute;</i> <i>University of Kentucky.</i>		
Harry Horton Fisher.....	Auburn, N. Y.....	Duke University, House C.
<i>Syracuse University;</i> <i>Chicago College of Osteopathy.</i>		
Francis Edward Foster.....	Olena, N. Y.....	Duke University, House C.
<i>St. Bonaventures College.</i>		
Robert Carson Fugate.....	Roanoke, Va.....	310 Watts St., Durham, N. C.
<i>Washington and Lee University;</i> <i>Emory and Henry College;</i> <i>Duke University.</i>		
Atticus James Gill.....	Dallas, Texas.....	Duke Hospital
<i>Duke University.</i>		
William Henry Glass.....	Brooklyn, N. Y.....	Duke University, House H.
<i>Furman University.</i>		
Thomas Alphonse Gonder, Jr...	Oakland, Md.....	Duke Hospital
<i>University of Maryland;</i> <i>University of West Virginia.</i>		
Aubrey Crafton Gose.....	Castlewood, Va.....	1025 Gloria Ave., Durham, N. C.
<i>Lincoln Memorial University;</i> <i>Emory and Henry College.</i>		
Cyrus Leighton Gray, Jr.....	High Point, N. C.....	Duke University, House C.
<i>High Point College.</i>		
Charles Edgar Haines, Jr.....	Vincentown, N. J.....	Erwin Apts., Durham, N. C.
<i>Rutgers University;</i> <i>Duke University.</i>		
Ivan Goodrich Hartwell.....	New York, N. Y...1603	Duke Univ. Rd., Durham, N. C.
<i>Norwich University.</i>		
Harold Ira Harvey.....	Providence, R. I.....	Duke Hospital
<i>Harvard College.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Alfred F. Henderson..... <i>Joliet Junior College; Duke University.</i>	Joliet, Ill.....	Erwin Apts., Durham, N. C.
Marvin S. Herrington..... <i>Duke University.</i>	Norfolk, Va.....	Duke University, House B.
Frederick Harrison Hesser.... <i>The Johns Hopkins University.</i>	Baltimore, Md.....	Duke University, House A.
Harold Maclachlan Horack... <i>Duke University.</i>	Durham, N. C.....	Myrtle Drive, Durham, N. C.
Newton Hornick..... <i>Catawba College.</i>	Brooklyn, N. Y.....	Duke Hospital
Jeremiah Wolfe Kerner..... <i>University of Georgia.</i>	Jersey City, N. J.....	Duke University, House B.
Thomas DeArman Kinney.... <i>University of Pennsylvania.</i>	Harrisburg, Pa.....	Duke Hospital
Albert Francis Lee..... <i>University of Washington; College of Puget Sound.</i>	Tacoma, Wash.....	Duke Hospital
William Arthur Leff..... <i>Franklin and Marshall College.</i>	Newark, N. J.....	Duke Hospital
Jack Burean McGolrick..... <i>Duke University.</i>	Jamaica, N. Y.....	Duke University, House B.
Anthony Ralph Marsicano.... <i>Long Island University.</i>	Brooklyn, N. Y.....	Duke University, House B.
David William Martin..... <i>Duke University.</i>	West Palm Beach, Fla..	Duke University, House G.
Oscar Peyton Moffitt, Jr..... <i>High Point College; Duke University.</i>	High Point, N. C.....	Duke University, House B.
Frank Richardson Moore..... <i>Duke University.</i>	Durham, N. C.....	University Drive, Durham, N. C.
Vince Moseley..... <i>Clemson College; Duke University.</i>	Orangeburg, S. C.....	Duke University, House A.
Philip Naumoff..... <i>University of Pittsburgh.</i>	Pittsburgh, Pa.....	Duke Hospital
Walter Relfe Newbern..... <i>Duke University.</i>	Durham, N. C....	1811 W. Pettigrew St., Durham, N. C.
Richard Elwood Nitschke.... <i>Duke University.</i>	Rye, N. Y.....	1515 W. Pettigrew St., Durham, N. C.
Charles William Parkison.... <i>William Jewell College.</i>	Ossian, Ind.....	817 Broad St., Durham, N. C.
Archibald Hanes Pate..... <i>Duke University.</i>	Goldsboro, N. C.....	804 Fourth St., Durham, N. C.
Howard Lorenzo Reed..... <i>Duke University.</i>	Livonia, N. Y.....	Duke University, House B.
Edwin Bradfield Sanger..... <i>William Jewell College; Oklahoma University.</i>	Yukon, Okla.....	Duke Hospital
William Osce Self..... <i>Furman University.</i>	Ninety Six, S. C....	1601 Duke Univ. Rd., Durham, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
James Edward Sheehy..... <i>University of Notre Dame.</i>	Syracuse, N. Y.....	Duke University, House A.
Burton Michael Shinnars..... <i>University of Notre Dame.</i>	Dunkirk, N. Y.....	1506 Duke Univ. Rd., Durham, N. C.
William Charles Spring, Jr.... <i>University of Wisconsin.</i>	Glen Ridge, N. J.....	Duke University, House B.
Franz Robert Stenzel..... <i>University of Oregon; College of Puget Sound; Bates College.</i>	Portland, Oregon....	1016 Sycamore St., Durham, N. C.
Charles Paul Stevick..... <i>Duke University.</i>	Southern Pines, N. C....	Duke University, House C.
George Taylor, III..... <i>University of Pittsburgh.</i>	Wilkinsburg, Pa.....	Duke University, House A.
Philip Munyan Unsworth..... <i>Bob Jones College; Duke University.</i>	Vineland, N. J.....	Duke University, House B.
Condit Brewer Van Arsdall, Jr... <i>Kentucky Wesleyan College; University of Kentucky.</i>	Harrodsburg, Ky.....	Duke University, House DD.
James Griffith Whildin..... <i>Duke University.</i>	Lansford, Pa.....	Duke University, House DD.
James Stevenson Wilson..... <i>Davidson College.</i>	Korea, Asia.....	1811 W. Pettigrew St. Durham, N. C.
Wesley Wellington Wilson.... <i>University of Florida; Duke University.</i>	Tampa, Fla.....	407 Cook St., Durham, N. C.

SECOND YEAR STUDENTS

Anthony Charles Adonizio.... <i>University of Pittsburgh.</i>	Pittston, Pa.....	Duke Hospital
George Jay Baylin..... <i>Johns Hopkins University.</i>	Baltimore, Md.....	Duke Hospital
Edgar Marx Braun..... <i>Dante College; Brown University.</i>	Newark, N. J.....	Duke Hospital
William Henry Bridgers..... <i>Duke University.</i>	Newport News, Va.	1515 W. Pettigrew St., Durham, N. C.
Frank Woolridge Buckner.... <i>Davidson College.</i>	Davidson, N. C....	1518 W. Pettigrew St., Durham, N. C.
Benjamin Brooks Burrill, Jr.... <i>Dartmouth College; Duke University.</i>	Bloomfield, N. J.....	Duke Hospital
Charles Francis Chunn..... <i>Duke University; Weaver College.</i>	Asheville, N. C.....	Duke Hospital
Charles Anthony Collins..... <i>Columbia University.</i>	New York, N. Y.....	Duke Hospital
Gabriel Hernando Cortes..... <i>University of Michigan; Duke University.</i>	Colombia, S. A.....	Duke Hospital

<i>Name and Preparation</i>	<i>Home Address</i>	<i>University Address</i>
Kenneth John Costich..... <i>Holy Cross College.</i>	Rochester, N. Y.....	Duke Hospital
Charles Cramer..... <i>Columbia University</i>	New York, N. Y.....	Duke Hospital
John Sinclair Denholm..... <i>University of Pittsburgh.</i>	Johnstown, Pa.....	Duke Hospital
Leslie Van Dyke Dill..... <i>Duke University.</i>	Dover, Delaware.....	Duke Hospital
John Watson Edwards..... <i>New Mexico Military Institute; Duke University.</i>	Okmulgee, Okla.....	Duke Hospital
Charles Howard Evans, Jr..... <i>Duke University.</i>	Syracuse, N. Y.....	Duke Hospital
Max Wolff Fischback..... <i>Catawba College.</i>	Brooklyn, N. Y.....	Duke Hospital
Herbert Junius Fox..... <i>University of North Carolina; Duke University.</i>	Greensboro, N. C.....	Duke Hospital
Jack Greenfield..... <i>Johns Hopkins University.</i>	Brooklyn, N. Y.....	Duke Hospital
George Thomas Harrell, Jr.... <i>Duke University, Johns Hopkins University.</i>	Asheville, N. C....1515 W. Pettigrew St., Durham, N. C.	
H. Patterson Harris..... <i>Yale College.</i>	Southport, Conn.....	Duke Hospital
Arthur M. Jenkins..... <i>Springfield College; Simpson College.</i>	Dover, N. J.....	Duke Hospital
Roderic Orlando Jones..... <i>Johns Hopkins University; John B. Stetson University; Duke University.</i>	Bradenton, Fla.....	Duke Hospital
William Paul Kavanagh..... <i>Wheaton College.</i>	Wheaton, Ill.....	Duke Hospital
Frederick Robert Klenner..... <i>St. Vincent College; St. Francis College; Catholic University.</i>	Johnstown, Pa.....	Duke University, House CC.
Donald Feige Marion..... <i>Duke University.</i>	Harrisburg, Pa.....	Duke Hospital
Elijah Eugene Menefee, Jr.... <i>University of Virginia.</i>	Lynchburg, Va.....	Duke Hospital
Arch Sherrod Morrow..... <i>Davidson College.</i>	High Point, N. C.....	Duke Hospital
Philip Brower Parsons..... <i>Duke University.</i>	Wilkes-Barre, Pa....1200 College Road, Durham, N. C.	
Williams Phillips..... <i>Ohio State University.</i>	Cleveland Heights, O....	Duke University, House U.
Michael Theodore Pishko..... <i>University of Pittsburgh.</i>	Monessen, Pa....1811 W. Pettigrew St., Durham, N. C.	
Eli Primack..... <i>Duke University.</i>	Boston, Mass.....	Duke Hospital

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
Leo Bernard Provinsky..... <i>Grove City College.</i>	Brockway, Pa.....	807 Third St., Durham, N. C.
Edwin Tyson Ricketts..... <i>Georgia School of Technology; Millsaps College; Duke University.</i>	Flushing, N. Y.....	Duke Hospital
William Schulze..... <i>Tulane University; University of Richmond.</i>	Monroe, La.....	Duke Hospital
Ralph Kenneth Shields..... <i>Pennsylvania State College.</i>	Bethlehem, Pa.....	1811 Pettigrew St., Durham, N. C.
William Thornton Spence..... <i>Lafayette College; University of Pennsylvania; Pennsylvania State College; University of Alabama.</i>	Altoona, Pa.....	Duke Hospital
Joseph Blackburn Stevens..... <i>Davidson College.</i>	Kimball, West Va.....	Duke Hospital
Victor Leo Szanton..... <i>University of Alabama.</i>	New York, N. Y.....	Duke Hospital
Robert Hendon Thomason.... <i>Sam Houston Teachers College; Agri. & Mechan. Coll. of Texas; Duke University.</i>	Huntsville, Texas.....	Duke Hospital
Arthur Fred Turner, Jr..... <i>Southern College; Duke University.</i>	Tampa, Fla.....	Duke Hospital
George Irvin Uhde..... <i>Duke University.</i>	Longwood, Pa.....	Duke Hospital
Frederic Monroe Jacob Walp... <i>University of Pennsylvania; Muhlenberg College.</i>	Slatington, Pa.....	Duke University, House G.
Candler Arthur Willis..... <i>Mars Hill College; Duke University.</i>	Candler, N. C.....	Duke Hospital

JUNIOR SENIOR STUDENTS*

John Samuel Baker..... <i>University of Southern California.</i>	Huntington Park, Cal..	1114 Eighth Ave., Durham, N. C.
Lenox Dial Baker (12/19/33). <i>University of Tennessee; University of North Carolina.</i>	Texarkana, Texas..	Johns Hopkins Hosp., Baltimore, Md.
Berget Henri Blocksom, Jr. (9/2/33)..... <i>Indiana University; University of Michigan.</i>	Michigan City, Ind.....	Duke Hospital
Julius Boiarsky..... <i>West Virginia University; Ohio State University; Ma-sha'l College; medical student, West Virginia University, 1931-1933.</i>	Charleston, West Va.....	Duke Hospital

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
Oren Douglas Boyce (9/2/33) <i>University of North Carolina.</i>	Polkton, N. C.....	Jefferson Hospital, Roanoke, Va.
Earl Winfrey Brian..... <i>Duke University.</i>	Camden, Ark.....	1815 W. Pettigrew St., Durham, N. C.
Ernest Bruce Brooks (9/2/33)..... <i>Duke University.</i>	Durham, N. C....	Union Memorial Hosp., Baltimore, Md.
Arthur Raymond E. Buirge..... <i>Drake University;</i> <i>Duke University.</i>	Mason City, Iowa.....	1026 W. Trinity Ave., Durham, N. C.
John Cole Burwell, Jr. (9/2/33)..... <i>Duke University;</i> <i>Harvard University.</i>	Warrenton, N. C....	N. Y. Post-graduate Medical School and Hospital, New York, N. Y.
James Henderson Cherry (12/19/33)..... <i>Mars Hill College.</i>	Asheville, N. C.....	City Hospital, Goldsboro, N. C.
Milton Carpinter Cobey..... <i>Amherst College.</i>	Frostburg, Md.....	Duke Hospital
Felix Hughes Crago..... <i>West Virginia University;</i> <i>medical student, ibid., 1931-1933.</i>	Wheeling, West Va.....	Duke Hospital
Maurie Bertram Cree..... <i>Wake Forest College.</i>	Beaufort, N. C.....	Duke Hospital
John William Devine, Jr..... <i>Washington and Lee University.</i>	Lynchburg, Va.....	Duke Hospital
Benjamin George Dinin (9/2/33)..... <i>New York University;</i> <i>University of Alabama.</i>	Brooklyn, N. Y.....	Duke Hospital
Eleanor Beamer Easley (3/21/34)..... <i>University of Idaho;</i> <i>University of Iowa;</i> <i>George Peabody College;</i> <i>Vanderbilt University.</i>	Durham, N. C.....	Hope Valley, Durham, N. C.
William Dempsey Farmer..... <i>Duke University.</i>	Bailey, N. C.....	Duke Hospital
Alvis Dare Finch..... <i>Rutherford College;</i> <i>Duke University.</i>	Detroit, Mich.....	Duke Hospital
John Dean Fitzgerald..... <i>Duke University.</i>	Linwood, N. C.....	Duke Hospital
John Stewart Forbes, Jr..... <i>Duke University.</i>	Newark, N. J.....	Duke Hospital
William Nicholas Fortescue... <i>Duke University.</i>	Scranton, N. C....	1506 Duke Univ. Road, Durham, N. C.
William Penn Frazer (9/2/33)..... <i>Richmond College.</i>	Orange, Va.....	Duke Hospital
Gustave Freeman (9/2/33)..... <i>University of Georgia;</i> <i>Brown University;</i> <i>Columbia University.</i>	Athens, Ga.....	Duke Hospital

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
James Francis Fulp..... <i>Vanderbilt University;</i> <i>Duke University.</i>	Kernersville, N. C.....	Duke Hospital
Ben Henslee Fuqua..... <i>University of Florida.</i>	Palmetto, Fla.....	Duke Hospital
Cole Deane Genge..... <i>Ripon College;</i> <i>Stanford University.</i>	Green Lake, Wis.....	Duke Hospital
Harry-Rolf Germer..... <i>Deutsche Aufbauschule, Weimar;</i> <i>medical student, University of Jena;</i> <i>1931-1933.</i>	Erfurt, Germany.....	Duke Hospital
Richard Hobart Godwin..... <i>New York University;</i> <i>Duke University,</i> <i>University of Illinois.</i>	Brooklyn, N. Y.....	Duke Hospital
Abner Gorfain..... <i>New York University;</i> <i>University of North Carolina.</i>	Flushing, L. I., N. Y.....	Duke Hospital
Robert Williams Graves (9/2/33)..... <i>Davidson College;</i> <i>Princeton University.</i>	Rome, Ga.....	New Haven Hospital, New Haven, Conn.
Robert Albert Hare..... <i>Ohio State University.</i>	Englewood, N. J.....	Duke Hospital
George Wallace Holmes..... <i>Duke University.</i>	Jamaica, N. Y.....	Duke Hospital
Harry Meyer Holtz..... <i>Ohio State University.</i> <i>Columbia University;</i> <i>Duke University.</i>	Newark, N. J.....	Duke Hospital
Jay Leonard Hutchison (12/19/33)..... <i>Marshall College.</i>	Huntington, West Va.....	Duke Hospital
Raymond Taylor Jenkins..... <i>University of North Carolina.</i>	Kinston, N. C.....	Duke Hospital
Julia Mary Jones..... <i>Dennison University;</i> <i>Ohio State University.</i>	Dayton, O.....	Nurses' Home
Austin Louis Joyner..... <i>Millsaps College;</i> <i>Tulane University.</i>	New Orleans, La.....	Duke Hospital
Rayburn Nelson Joyner (9/2/33)..... <i>Wake Forest College.</i>	Canton, N. C.	Jackson Duval Co. Hospital Jacksonville, Fla.
Beverley Randolph Kennon, III..... <i>University of Virginia;</i> <i>College of William & Mary.</i>	Norfolk, Va.....	Duke Hospital
Charles Edward Leach..... <i>Johns Hopkins University;</i> <i>Duke University.</i>	Baltimore, Md.....	Duke Hospital
David Washington Lester..... <i>University of Wichita.</i>	Wichita, Kan.....	Duke Hospital

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
Durward Lee Lovell <i>Birmingham-Southern College; medical student, University of Alabama, 1929-1931.</i>	Eden, Ala.	Duke Hospital
George Kenneth Mahl (3/21/34)	Ironton, O.	Duke Hospital
<i>Ohio State University; Duke University.</i>		
Samuel Jeremiah Margolin (3/21/34)	Brooklyn, N. Y.	
<i>Duke University.</i>		Jersey City Medical Center, Jersey City, N. J.
George Kemp Massengill, Jr.	Raleigh, N. C.	Duke Hospital
<i>Duke University.</i>		
Bernyrd Carlisle McLawhorn	Greenville, S. C.	Duke Hospital
<i>Furman University.</i>		
Robert Lindsay McMillan (9/2/33)	Charlotte, N. C.	
<i>Davidson College; University of North Carolina.</i>		The University Hospitals of Cleveland, Cleveland, Ohio.
Robert Felton Mikell (12/19/33)	Deland, Fla.	Strong Memorial Hospital, Rochester, N. Y.
<i>John B. Stetson University; University of Georgia.</i>		
Ben Neely Miller	Hickory Grove, N. C.	Duke Hospital
<i>Duke University.</i>		
Robert McGee Mullen, II	Windber, Pa.	Duke Hospital
<i>University of Pittsburgh.</i>		
Henry Stokes Munroe, Jr.	Charlotte, N. C.	Duke Hospital
<i>Davidson College.</i>		
Arthur Neumaier	Berlin-Wilmersdorf, Germany	
<i>Columbia University.</i>		Erwin Apts., Durham, N. C.
Carlton Lee Ould	Roanoke, Va.	Duke Hospital
<i>Roanoke College; Duke University.</i>		
Francis Leroy Owens	Cresson, Pa.	Duke Hospital
<i>University of Pittsburgh.</i>		
Daniel Jack Pachman	Brooklyn, N. Y.	Duke Hospital
<i>New York University; University of North Carolina.</i>		
Edward Frost Parker, Jr. (9/2/33)	Charleston, S. C.	Strong Memorial Hospital, Rochester, N. Y.
<i>University of South Carolina.</i>		
Talmage Lee Peele	Raleigh, N. C.	Duke Hospital
<i>Duke University; medical student, Vanderbilt University, 1929-1931.</i>		
Marion Timothy Plyler, Jr. (12/19/33)	Durham, N. C.	1415 Gregson St., Durham, N. C.
<i>North Carolina State College; Duke University.</i>		

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
John Fairman Preston, Jr. <i>Davidson College.</i>	Soonchun, Korea, Asia	1815 W. Pettigrew St., Durham, N. C.
Robert Harry Pudenz <i>University of Dayton.</i>	Cincinnati, Ohio	Duke Hospital
Richard Zimri Query, Jr. <i>Davidson College.</i>	Charlotte, N. C.	Duke Hospital
Raymond Hamilton Ralston <i>State Teachers College; Geneva College.</i>	Keisters, Pa.	403 Cook St., Durham, N. C.
Lester Paul Rasmussen <i>Snow College; University of Utah; medical student, ibid., 1931-1933.</i>	Mt. Pleasant, Utah	Duke Hospital
Paul Gerhard Reque (9/2/33) <i>Duke University.</i>	Brooklyn, N. Y.	Duke Hospital
Louis Carroll Roberts (9/2/33) <i>Davidson College.</i>	Shelby, N. C.	Duke Hospital
Dennis Hardesty Robinson <i>West Virginia University; medical student, ibid., 1929-1931.</i>	Morgantown, W. Va.	Forest Hills, Durham, N. C.
Frank Hurd Robinson, Jr. <i>University of Michigan.</i>	Hornell, N. Y.	Duke Hospital
Kenneth Brown Rothery (12/19/33) <i>University of Pittsburgh; medical student, West Virginia University, 1929-1931.</i>	Lock No. 3, Pa.	Fitkin Memorial Hospital, Neptune, N. J.
Nathan Ruby (9/2/33) <i>New York University; University of Virginia.</i>	Newark, N. J.	Sinai Hospital, Baltimore, Md.
Edwin Macrae Rucker <i>Randolph-Macon College.</i>	Richmond, Va.	Duke Hospital
Louis John Saxe <i>John Carroll University; Duke University.</i>	Durham, N. C.	818 Third St. Durham, N. C.
Eugene Nestor Scadron <i>Dartmouth College; Yale University.</i>	New York, N. Y.	Duke Hospital
Ralph Ernest Schmidt <i>University of Pittsburgh.</i>	Wesleyville, Pa.	Duke Hospital
Sylvan Strong Scholpp <i>Yale University; University of Chicago.</i>	Hutchinson, Minn.	819 Third St., Durham, N. C.
Walter Eugene Sharpe, Jr. <i>Duke University.</i>	Burlington, N. C.	Duke Hospital
Irving Michael Siegel <i>Lehigh University.</i>	New York, N. Y.	Duke Hospital
Albert Randall Smith (3/21/34) <i>University of Wisconsin; medical student, ibid., 1930-1932.</i>	Seattle, Wash.	403 Cook St., Durham, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Internship</i>
John Goodrich Smith..... <i>University of North Carolina.</i>	Scotland Neck, N. C.....	Duke Hospital
Glenn Emory Stayer..... <i>University of Pittsburgh; Columbia University.</i>	Tampa, Fla.....	Duke Hospital
Robert Boyd Stith, Jr..... <i>Duke University.</i>	Mullins, S. C.....	Duke Hospital
Benj. Anderson Strickland, Jr. (12/19/33)..... <i>Mars Hill College; Wake Forest College.</i>	Whitakers, N. C.....	Woman's Hospital, Baltimore, Md.
Abraham Jack Tannenbaum... <i>Ohio State University; Duke University.</i>	Paterson, N. J.....	Duke Hospital
Waller Littlepage Taylor, Jr. (9/2/33)..... <i>Duke University.</i>	Stovall, N. C.....	St. Vincent's Hospital, Norfolk, Va.
Myron Cherrington Waddell (12/19/33)..... <i>Nebraska Wesleyan University; St. Louis University; medical student, ibid., 1929-1931.</i>	Indianola, Neb....	Presbyterian Hospital, Denver, Colo.
Thomas Wilson Wesson..... <i>University of Mississippi.</i>	Salttillo, Miss.....	Duke Hospital
Millard Brown White..... <i>University of Florida; Duke University.</i>	Bradenton, Fla.....	Duke Hospital
Jarrett Earl William (9/2/33).. <i>Emory & Henry College.</i>	Alvin, Texas.....	Duke Hospital
James Raymond Wilson..... <i>University of Alabama; Harvard College.</i>	North Adams, Mass.....	Duke Hospital
William Joseph Wirth..... <i>Lafayette College.</i>	Allentown, Pa.....	Duke Hospital
Charles Terry Wood..... <i>Furman University; University of Michigan.</i>	Newport News, Va.....	Duke Hospital

GRADUATES 1932*

Carlton Noble Adams (3/19/32)..... <i>Wake Forest College; medical student, ibid., 1928-1930.</i>	Wilson's Mills, N. C.	Church Home & Infirmary, Baltimore, Md.
Lacy Allen Andrew, Jr. (6/11/32)..... <i>University of North Carolina; medical student, ibid., 1928-1930.</i>	Greensboro, N. C.....	Watts Hospital, Durham, N. C.
Jay Morris Arena (3/19/32)..... <i>West Virginia University, medical student, ibid., 1928-1930.</i>	Clarksburg, W. Va.....	Duke Hospital, Durham, N. C.

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Address</i>
John Valentine Blady (3/19/32) <i>University of Wisconsin;</i> <i>medical student, ibid., 1926-1927,</i> <i>1928-1929.</i>	Cudahy, Wis.....	Temple Univ. Hospital, Philadelphia, Pa.
Ned Ornell Bowman (3/19/32) <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Berea, Ky...	Middlesex General Hospital, New Brunswick, N. Y.
Bennie Booker Dalton (6/11/32) <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Red Springs, N. C...	Wassaic State School, Wassaic, N. Y.
Rudolph John Depner (3/19/32) <i>Rhode Island State College;</i> <i>University of Missouri;</i> <i>medical student, ibid., 1928-1930.</i>	Woonsocket, R. I. Exeter School for Mental Defectives,	Exeter, R. I.
Elbert Newton DuPuy (3/19/32) <i>University of West Virginia;</i> <i>medical student, ibid., 1928-1930.</i>	Beckley, W. Va.,	Baltimore City Hospitals, Baltimore, Md.
William Lorenz Haltom (3/19/32) <i>Hendrix College;</i> <i>University of Alabama;</i> <i>medical student, ibid., 1928-1930.</i>	Jonesboro, Ark....	Presbyterian Hospital, Chicago, Ill.
George Heinitsh (3/19/32) <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Spartanburg, S. C.....	Duke Hospital, Durham, N. C.
George William Joyner (6/11/32) <i>Wake Forest College;</i> <i>medical student, ibid., 1928-1930.</i>	Denniston, Va.....	Duke Hospital, Durham, N. C.
John Fletcher Lovejoy (6/11/32) <i>Emory University;</i> <i>medical student, University of</i> <i>Alabama, 1928-1930.</i>	Decatur, Ga.....	Shriners Hospital, Springfield, Mass.
E. Noel Walker Robbins (6/11/32) <i>Queens College;</i> <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Charlotte, N. C.....	Barrett Laboratory Charlotte, N. C.
Ralph Richards Stevenson (3/19/32) <i>University of Utah;</i> <i>medical student, ibid., 1928-1930.</i>	Salt Lake City, Utah	Baltimore City Hospitals, Baltimore, Md.
Thaddeus Gilbert Upchurch (3/19/32) <i>University of North Carolina;</i> <i>medical student, ibid., 1928-1930.</i>	Apex, N. C...	Grady Memorial Hospital, Atlanta, Ga.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Internship</i>
Needham Edgar Ward, Jr. (3/19/32)	Chapel Hill, N. C.	Watts Hospital, Durham, N. C.
<i>Wake Forest College;</i>		
<i>University of Texas;</i>		
<i>University of North Carolina;</i>		
<i>medical student, ibid., 1928-1930.</i>		
Walter Raphael Wiley (6/11/32)	Monroe, N. C.	Wassaic State School, Wassaic, N. Y.
<i>Wake Forest College;</i>		
<i>medical student, ibid., 1928-1930.</i>		
William Edgar Wilkinson (6/11/32)	Ridgeville, N. C.	Duke Hospital, Durham, N. C.
<i>Davidson College;</i>		
<i>medical student, University of</i>		
<i>North Carolina, 1928-1930.</i>		

GRADUATES 1933*

Gerald Lyon Ackerman (3/22/33)	Saginaw, Mich.	Church Home and Infirmary, Baltimore, Md.
<i>Washington & Jefferson College;</i>		
<i>medical student, West Virginia</i>		
<i>University, 1929-1931.</i>		
Jasper Lamar Callaway (12/21/32)	Clanton, Ala.	Duke Hospital
<i>University of Alabama;</i>		
<i>medical student, ibid., 1929-1931.</i>		
Martin Edward Conti (3/22/33)	Youngstown, Ohio.	Watts Hospital, Durham, N. C.
<i>West Virginia University;</i>		
<i>medical student, ibid., 1929-1931.</i>		

* The date after a name indicates the time of completion of the medical course.

William Howard Darden (12/21/32)	Northport, Ala.	Northwestern Hospital, Minneapolis, Minn.
<i>University of Alabama;</i>		
<i>medical student, ibid., 1929-1931.</i>		
Grant Lester Donnelly (6/10/33)	Chapel Hill, N. C.	Department of Pharmacology, Univ. of North Carolina.
<i>Duke University;</i>		
<i>University of Chicago;</i>		
<i>medical student, University of North</i>		
<i>Carolina, 1927-1930.</i>		
Raymond John Duffy (6/10/33)	Wheeling, West Va.	Boston Psychopathic Hospital Boston, Mass.
<i>University of Pittsburgh;</i>		
<i>medical student, West Virginia</i>		
<i>University, 1929-1931.</i>		
Jerome Gaskel (3/22/33)	Williamston, West Va.	Cincinnati General Hospital Cincinnati, Ohio.
<i>West Virginia University;</i>		
<i>medical student, ibid., 1929-1931.</i>		
Charles Houston Gay (3/22/33)	Charlotte, N. C.	New Haven Hospital, New Haven, Conn.
<i>Duke University;</i>		
<i>medical student, University of</i>		
<i>North Carolina, 1929-1931.</i>		

* The date after a name indicates the time of completion of the medical course.

<i>Name and Preparation</i>	<i>Home Address</i>	<i>Present Internship</i>
Walter Thalman Hasler, Jr. (3/22/33)..... <i>Brigham Young University; medical student, University of Utah, 1929-1931.</i>	Provo, Utah.	Church Home & Infirmary, Baltimore, Md.
Charles Mattox Kendrick (6/10/33)..... <i>Duke University; medical student, University of North Carolina, 1929-1931.</i>	Fallston, N. C.....	Wheeling Hospital, Wheeling, W. Va.
Orrin Frank Kleckner (12/21/32)..... <i>Duke University; medical student, Vanderbilt University, 1929-1931.</i>	Buffalo, N. Y.,	Millard Fillmore Hospital, Buffalo, N. Y.
Gerald Clellan Lewis (3/22/33)..... <i>Berea College; Carson-Newman College; medical student, University of Tennessee, 1929-1931.</i>	Sloans Valley, Ky....	Pasadena Hospital, Pasadena, Calif.
Charles Francis Montgomery (3/22/33)..... <i>Drury College; University of Missouri; medical student, ibid., 1929-1931.</i>	California, Pa.....	Henry Ford Hospital, Detroit, Mich.
William Julian Weatherford (3/22/33)..... <i>University of Alabama; medical student, ibid., 1929-1931.</i>	Uriah, Ala.....	Watts Hospital, Durham, N. C.

THE SCHOOL OF NURSING

SENIOR STUDENTS

Julia Bradshaw	Salisbury, N. C.
Faire Caldwell	Matthews, N. C.
Bonnie Carson	Swannanoa, N. C.
Zula Cobb	Windsor, N. C.
Kathryn Cranford	St. Petersburg, Fla.
Louise Dobbins	Rockingham, N. C.
Eunice Goodman	Gold Hill, N. C.
Louise Gurley	Goldsboro, N. C.
Margaret Herman	Conover, N. C.
Mary Alice Herman	Conover, N. C.
Margaret Hines	McLeansville, N. C.
Matilda Holleman	Durham, N. C.
Gretchen Johnson	Winston-Salem, N. C.
Frances Maie Klein	Morehead City, N. C.
Margaret Kuykendal	Matthews, N. C.
Gladys McBane	Graham, N. C.
Eleanor Miller	Martinsburg, W. Va.

Elizabeth Moore	Forest City, N. C.
Annie Hill Sharp	Reidsville, N. C.
Norma Sugg	Snow Hill, N. C.
Frances Ware	Wilson, N. C.
Maurine Whitley	Benson, N. C.

JUNIOR STUDENTS

Nellie Boone	Greensboro, N. C.
Delores Camp	Ahoskie, N. C.
Mary Carter	Danville, Va.
Eleanor Chittenden	Weldon, N. C.
Elizabeth Clapp	Swannanoa, N. C.
Ruth Crutchfield	South Norfolk, Va.
Margaret Davey	Roanoke, Va.
Hilda Feagans	Agricola, Va.
Margaret Forrester	Hillsboro, N. C.
June Fox	Franklin, Va.
Maud Hollowell	Princeton, N. C.
Frankie Humphrey	Timmonsville, S. C.
Josephine Johnson	Zebulon, N. C.
Louise McLaughlin	Dalzell, S. C.
Lavenia Morrison	Luray, Va.
Ida Parker	Benson, N. C.
Virda Parks	Kernersville, N. C.
Maxine Shеды	Youngsville, Pa.
Vera Thomas	Beckley, W. Va.
Dorothy Wilkinson	Ridgeville, N. C.

FRESHMAN STUDENTS

Evelyn Cadle	Athens, Ga.
Ona Maude Cates	Mebane, N. C.
Mary Elizabeth Corbett	Kinston, N. C.
Ruth Gambill	West Jefferson, N. C.
Frances Hunter	Marlinton, W. Va.
Mary E. King	Magnolia, N. C.
Mary Alice McCain	McCormick, S. C.
Margaret Moore	Norfolk, Va.
Dorothy Oliver	Murrell's Inlet, S. C.
Elizabeth Strother	Waxhaw, N. C.
Elizabeth Thompson	Wyola, Montana
Dorene Weaver	West Jefferson, N. C.
Roas Belle Wehunt	Cherryville, N. C.
Georgia Williams	Highland Springs, Va.
Mary Williams	Greensboro, N. C.
Virginia Yates	Rehoboth, Va.
Margaret Zirkle	Petersburg, Va.

THE SCHOOL OF RELIGION

SENIOR CLASS

Adkins, Alfred Carl A.B., Kentucky Wesleyan College, 1928.	Louisville, Ky.
Akers, Lewis Robeson, Jr. A.B., Asbury College, 1929.	Greensboro, N. C.
Anderson, Wilber Kenneth A.B., Asbury College, 1931.	Winfield, Kansas
Asher, William Lee A.B., Randolph-Macon College, 1931.	Richmond, Va.
Barbee, Carl Webster B.S., Wake Forest College, 1927.	Bahama, N. C.
Blakemore, John Haywood A.B., University of Mississippi, 1931.	Bethesda, Md.
Boggs, Clyde Stewart A.B., Kentucky Wesleyan College, 1930.	Hazard, Ky.
Budd, Warren Candler A.B., Duke University, 1932.	Chipley, Fla.
Crook, William Estes B.S., Central Missouri State Teachers College, 1926.	Independence, Mo.
Dimmette, Joel Walter A.B., Duke University, 1928.	Winfall, N. C.
Dutton, William Clarke A.B., Emory and Henry College, 1923.	Monroe, N. C.
Grisham, Roy Arnold A.B., Millsaps College, 1928.	Horn Lake, Miss.
Groce, William Harold A.B., Duke University, 1930.	Saluda, N. C.
Harrison, Russell Sage A.B., Duke University, 1931.	Plymouth, N. C.
Hix, Clarence Eugene, Jr. A.B., Duke University, 1931.	Durham, N. C.
Howard, Fletcher Earl A.B., Duke University, 1932.	Durham, N. C.
Huffman, Esther Wright A.B., Duke University, 1930. A.M., Duke University, 1933.	Cambridge, Mass.
Joyce, Johnie Leroy A.B., Duke University, 1931.	Henderson, N. C.
Jackson, Fynes Berty A.B., Emory and Henry College, 1930. A.M., Duke University, 1933.	Imboden, Va.
Justus, John Henry A.B., Wofford College, 1931.	Woodford, S. C.
Lanier, Walter Lee A.B., Duke University, 1930.	Farmer, N. C.
Lee, John David, Jr. A.B., Duke University, 1932.	Graham, N. C.

- Lee, Lawrence Wolfe
A.B., High Point College, 1932.
- Lineberger, James Worth
A.B., Wofford College, 1929.
- Loftin, Floyd Fillmore
A.B., Duke University, 1932.
- Matheny, Rolla John
A.B., Marietta College, 1930.
- Mayo, Louis Allen
A.B., Duke University, 1928.
- McLarty, Emmett Kennedy, Jr.
A.B., Duke University, 1931.
- Moyer, George Samuel
A.B., Susquehanna University, 1922.
Ph.D., University of Pennsylvania, 1926.
- Needham, Eugene Warren
A.B., Duke University, 1931.
- Newton, Pliny Foster
A.B., Asbury College, 1929.
- Nicholson, Waller Staples
A.B., Guilford College, 1907.
- Pearce, Hubert Edward, Jr.
A.B., Hendrix College, 1930.
- Poe, John Robert
A.B., Duke University, 1932.
- Poole, Wiley Gordon
A.B., Wake Forest College, 1931.
- Regan, James Robert
A.B., Duke University, 1928.
- Shewbert, John Edward, Jr.
A.B., McMurry College, 1931.
- Shinn, Fred Harris
A.B., Duke University, 1930.
- Smith, Charles Moody
A.B., Duke University, 1930.
- Spell, Herbert Lee
A.B., Wofford College, 1931.
- Stokes, James Carlisle
A.B., Asbury College, 1931.
- Swackhamer, Thomas Cecil
A.B., Central College, 1931.
- Tarver, David Franklin
A.B., Centenary College, 1927.
- Tilley, Lester Archie
A.B., Duke University, 1929.
- Turner, Clarence Ambrose, Jr.
A.B., William and Mary College, 1930.
- Lawndale, N. C.
- Stem, N. C.
- Durham, N. C.
- Parkersburg, W. Va.
- Greeneville, Miss.
- Shelby, N. C.
- Freeburg, Pa.
- Winston-Salem, N. C.
- Cambridge, Md.
- Guilford College, N. C.
- Clarendon, Ark.
- Durham, N. C.
- Neuse, N. C.
- Durham, N. C.
- Abilene, Texas
- Matthews, N. C.
- McAdenville, N. C.
- Smoaks, S. C.
- Seoul, Korea
- Ulrich, Mo.
- Shreveport, La.
- Newton Grove, N. C.
- South Boston, Va.

Tuttle, Robert Gregory A.B., Duke University, 1928.	Mt. Airy, N. C.
Twitchell, Herman Martell A.B., Millsaps College, 1931.	Clarksdale, Miss.
Vale, Charles Edward A.B., Duke University, 1931.	Youngsville, N. C.
Walston, Robert Edward A.B., Duke University, 1931.	Kitty Hawk, N. C.
Warren, Millard Whitfield A.B., Duke University, 1931.	Rougemont, N. C.
Washam, Conrad Cline A.B., Duke University, 1930.	Olin, N. C.
Weldon, Wilson Osbourne A.B., University of South Carolina, 1931.	Columbia, S. C.
Whitehead, Talton Johnson A.B., High Point College, 1930.	Greensboro, N. C.
Wiley, Edward Emerson A.B., Emory and Henry College, 1931.	Abingdon, Va.
Yountz, James Ernest A.B., Duke University, 1929.	Charlotte, N. C.

MIDDLE CLASS

Azkew, Ralph Hinton A.B., Whitworth College, 1932.	Blowing Rock, N. C.
Baker, Clarence Eugene A.B., Wake Forest College, 1931.	Durham, N. C.
Barnett, Lee Page A.B., Emory and Henry College, 1929.	Liberty, N. C.
Boland, William Ray A.B., Southern College, 1931.	Winter Haven, Fla.
Carriger, Thomas Pinckney A.B., Duke University, 1932.	Morristown, Tenn.
Cook, Pierce Embree A.B., Wofford College, 1932.	Lamar, S. C.
Cook, Ray Abner A.B., Whittier College, 1932.	Whittier, Calif.
Cooley, William Frank A.B., Hendrix College, 1931.	Blytheville, Ark.
Council, Lowell Benjamin A.B., Lambuth College, 1932.	Union City, Tenn.
Crow, William Addison A.B., Southern College, 1932.	Tampa, Fla.
Dailey, John Calvin A.B., Duke University, 1932.	Durham, N. C.
Edens, Lacy Thomas A.B., Duke University, 1924.	Hillsboro, N. C.
Ervin, Everest LaMont A.B., Duke University, 1929.	Paw Creek, N. C.

Hardwick, Olen Leon A.B., Wofford College, 1932.	Aynor, S. C.
Huss, Hoskie Otho A.B., Duke University, 1933.	Durham, N. C.
Hutson, Harold Horton A.B., Wofford College, 1932.	Heath Springs, S. C.
Jordan, Howard Roy B.S., The Citadel, 1930.	Callison, S. C.
Kelley, Byron Elmo A.B., Morris Harvey College, 1932.	Harriston, Va.
Montgomery, Danny Hugh A.B., Wofford College, 1932.	Blythewood, S. C.
Nail, Lonnie Emerson A.B., Duke University, 1927.	Winston-Salem, N. C.
Peace, Clifford Hinshaw A.B., High Point College, 1932.	Trinity, N. C.
Robertson, James Louis A.B., Randolph-Macon College, 1932.	Craigsville, Va.
Sensintaffar, James Clair A.B., Centenary College, 1932.	DeRidder, La.
Spence, Floyd Vance A.B., University of North Carolina, 1928.	Kinston, N. C.
Standard, Forrest Lee A.B., Drury College, 1933.	Windsor, Mo.
Stokes, Mack Boyd A.B., Asbury College, 1932.	Seoul, Korea
Stowe, William McFerrin A.B., Hendrix College, 1932.	Winchester, Tenn.
Taylor, Raymond Herbert A.B., Wofford College, 1932.	Florence, S. C.
Topping, Marvin Woodrow A.B., Wofford College, 1932.	Jeffs, Va.
Tucker, Kenneth Irby A.B., Mississippi Delta State Teachers College, 1932.	Pace, Miss.

JUNIOR CLASS

Bennett, John Boyce A.B., Wofford College, 1933.	Fort Mill, S. C.
Bolch, Oscar Howard A.B., Wake Forest College, 1933.	Gastonia, N. C.
Brendall, Earl Hall A.B., Guilford College, 1933.	Greensboro, N. C.
Burns, Lacy Harvey A.B., Morris-Harvey College, 1933.	Dawson, W. Va.
Cody, Ray Spencer A.B., Catawba College, 1933.	Albemarle, N. C.
Cotton, Worth Bagley A.B., Duke University, 1933.	Sanford, N. C.

- Creech, Harlan Longstreet
A.B., Lenoir-Rhyne College, 1933.
- Crossno, Ramsey Leon
A.B., Asbury College, 1933.
- Dixon, Paxton Theodore
B.S., North Carolina State College, 1924.
- DuBose, Clarence Franklin, Jr.
A.B., Wofford College, 1931.
- Dunn, Millard Charles
A.B., Duke University, 1928.
- Eaker, William Franklin
A.B., Duke University, 1933.
- Ellenberg, Vernon Frank
A.B., Wake Forest College, 1933.
- Ellenberg, John Vinson
A.B., Wake Forest College, 1933.
- Eubank, Graham Stanford
A.B., Wofford College, 1933.
- Furr, Lester Seymour
A.B., High Point College, 1933.
- Haley, Carl Wrenn
A.B., Emory and Henry College, 1933.
- Hartz, Edwin Roben
A.B., Central Missouri State Teachers College, 1933.
- Huneycutt, Wiley Jackson
B.S., Davidson College, 1932.
- Huss, Lily Mae
A.B., Duke University, 1932.
- Jackson, James Fauntleroy
A.B., Mercer University, 1933.
- Jones, Hurlan Eura
A.B., High Point College, 1929.
- Keeler, Waldo Forrest
A.B., Marion College, 1932.
- Keeler, Willie Edna
A.B., Marion College, 1933.
- Kesler, Archie Dean
A.B., Duke University, 1933.
- Kolbe, Henry Eugene
A.B., Duke University, 1933.
- LaFevers, Horatio Luster
A.B., Duke University, 1933.
- Lyerly, Arnold Alexander
A.B., Duke University, 1933.
- McLamb, Howard McKinnon
A.B., Duke University, 1933.
- Hickory, N. C.
- Bells, Tenn.
- Cedar Falls, N. C.
- Nichols, S. C.
- Charlotte, N. C.
- Lawndale, N. C.
- Hillsboro, N. C.
- Durham, N. C.
- Maysville, N. C.
- New London, N. C.
- Covington, Va.
- Puxico, Mo.
- Coleridge, N. C.
- Durham, N. C.
- Swainsboro, Ga.
- Weaverville, N. C.
- Asheville, N. C.
- Asheville, N. C.
- Roanoke, Va.
- Durham, N. C.
- Glen Alpine, N. C.
- Durham, N. C.
- Clinton, N. C.

Phillips, James Henry A.B., Duke University, 1933.	Charlotte, N. C.
Randall, Eugene Boyd A.B., Emory and Henry College, 1933.	Maryville, Tenn.
Smith, Hampden Harrison, Jr. B.S., Randolph-Macon College, 1930.	Ashland, Va.
Spears, Robert Wright A.B., Wofford College, 1933.	Clio, S. C.
Starling, Richard James A.B., Duke University, 1933.	Goldsboro, N. C.
Stowe, John Joel, Jr. Ph.B., Emory University, 1929. A.M., Peabody College, 1930.	Winchester, Tenn.
Taylor, Ralph Henderson A.B., Duke University, 1933.	Charlotte, N. C.
*Tilley, Charles Johnson, Jr. A.B., Duke University, 1934.	Durham, N. C.
Weathers, Elmer Dewey A.B., Duke University, 1933.	Franklinton, N. C.

SPECIAL STUDENTS

Foster, William Omer A.B., Transylvania College, 1910. B.D., Yale University, 1923. A.M., Columbia University, 1924.	Durham, N. C.
Swackhamer, Elizabeth Gray A.B., Searritt College, 1932.	Durham, N. C.

JUNALUSKA SCHOOL OF RELIGION
GRADUATE STUDENTS

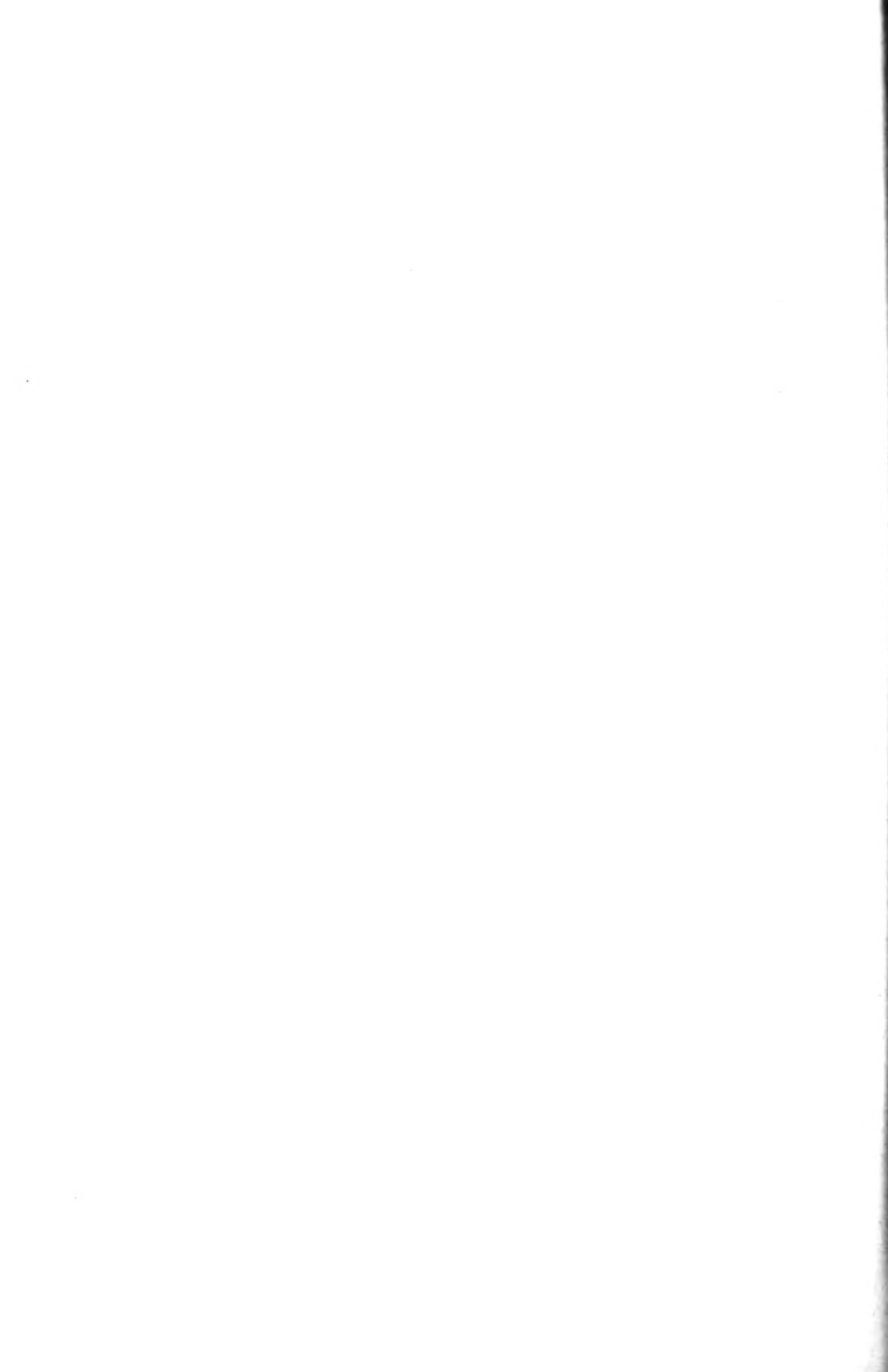
Adkins, Alfred Carl A.B., Kentucky Wesleyan College, 1928.	Louisville, Ky.
Blakemore, John Haywood A.B., University of Mississippi, 1931.	Bethesda, Md.
Budd, Warren Candler A.B., Duke University, 1932.	Chipley, Fla.
Deckman, Alice Anna A.B., Temple University, 1911. A.M., University of Pennsylvania, 1913. Ph.D., University of Pennsylvania, 1920.	Philadelphia, Pa.
Edens, Lacy Thomas A.B., Duke University, 1924.	Hillsboro, N. C.
Jarrett, Thomas Roy Ph.B., Elon College, 1927.	Portsmouth, Va.
Kilgore, John Benjamin A.B., Newberry College, 1900. B.D., Vanderbilt University, 1908.	Van Wyck, S. C.
Lee, Lawrence Wolfe A.B., High Point College, 1932.	Lawndale, N. C.

* The degree of Bachelor of Arts will be conferred in June, 1934.

Loftin, Floyd Fillmore A.B., Duke University, 1932.	Durham, N. C.
Tarver, David Franklin A.B., Centenary College, 1927.	Shreveport, La.
Warren, Millard Whitfield A.B., Duke University, 1931.	Rougemont, N. C.

UNDERGRADUATE STUDENTS

Baldwin, Mary Grace	Albemarle, N. C.
Barber, W. Arthur	Cornelius, N. C.
Charman, Rubyetta	Asheville, N. C.
Cox, Frances Mary	DeFuniak Springs, Fla.
Dean, Edwin Becton	Portsmouth, Va.
Dozier, Mary Estelle	Charlotte, N. C.
Earnhardt, Esther Roberts	Henderson, N. C.
Flemister, Launce Johnson	Atlanta, Ga.
Heidt, Leila Marie	Panama Canal Zone
Houck, George Fielder	Canton, N. C.
Jones, Almonte E.	Hendersonville, N. C.
Lance, Helen Earnhardt	Elon College, N. C.
Lewis, William Allen	Durham, N. C.
Markham, Lela Belle	Durham, N. C.
Myers, Horwood Prettyman, Jr.	Norfolk, Va.
Ormond, Janet	Durham, N. C.
Ormond, John Kern	Durham, N. C.
Potts, Mrs. Edgar Allan	Gainesville, Fla.
Smith, Thomas Walter	Rio de Janeiro, Brazil
Stith, Frank Albert, Jr.	Winston-Salem, N. C.



SUMMARY

GOVERNMENT, ADMINISTRATION, AND INSTRUCTION

Trustees of Duke University	36	
Trustees of Duke Endowment	15	
Officers of Administration		50
The University	5	
Trinity College, the Woman's College, and the Schools	16	
Assistants in Administration	29	
Officers of Instruction		229
Professors	85	
Associate Professors	18	
Assistant Professors	52	
Instructors	74	
Honorary Fellows	4	
Industrial Research Fellows	5	
University Fellows	27	
Graduate Assistants	49	
Graduate Scholars	26	
Assistants	28	
Staff of University Libraries	52	
Total		521

STUDENTS

Trinity College		1,486
Seniors	184	
Juniors	243	
Sophomores	375	
Freshmen	671	
Special Students	13	
Woman's College		715
Seniors	133	
Juniors	169	
Sophomores	151	
Freshmen	245	
Special Students	16	
Auditors	1	
The Graduate School of Arts and Sciences		807
(217 of these in regular academic year)		
The School of Law		92
First Year	42	
Second Year	27	
Third Year	22	
Graduate Student	1	

The School of Medicine		247
First Year	60	
Second Year	43	
Junior-Senior Class	90	
Graduate (Interns and Residents)	54	
The School of Nursing		90
Technicians		10
The School of Dietetics		4
The School of Religion		125
Seniors	55	
Middle Year	30	
Juniors	38	
Special Students	2	
The Summer Schools		1,527
Graduates, First Term	484	
Graduates, Second Term	275	
Undergraduates, First Term	480	
Undergraduates, Second Term	277	
Junaluska Summer School	164	
Junaluska School of Religion	35	
Summer quarter, Schools of Medicine and Nursing ..	106	
		<hr/>
		5,103
Deduction for names appearing more than once		1,133
		<hr/>
Total Enrollment		3,970
		<hr/>
Enrollment in regular session		2,983

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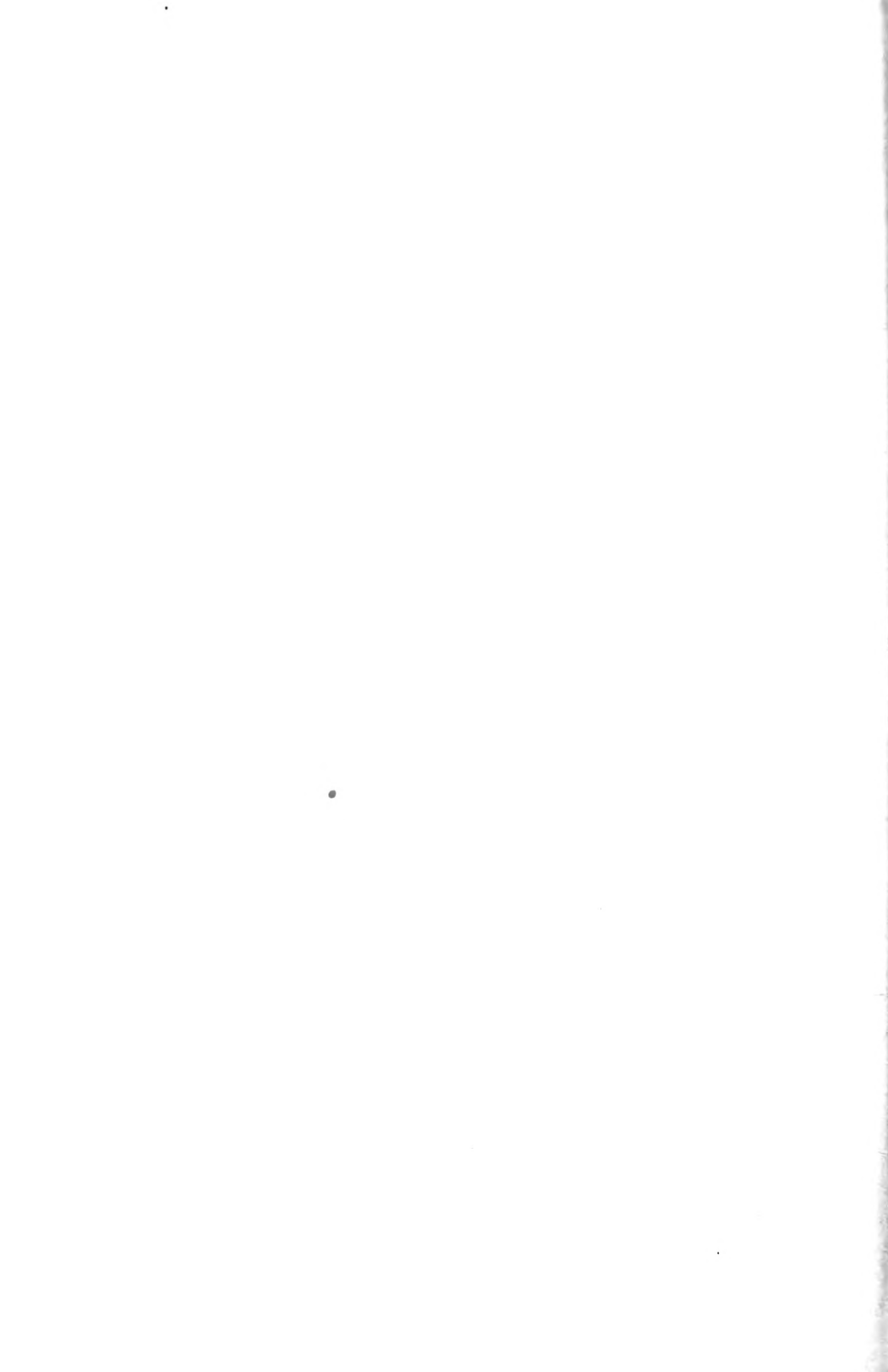
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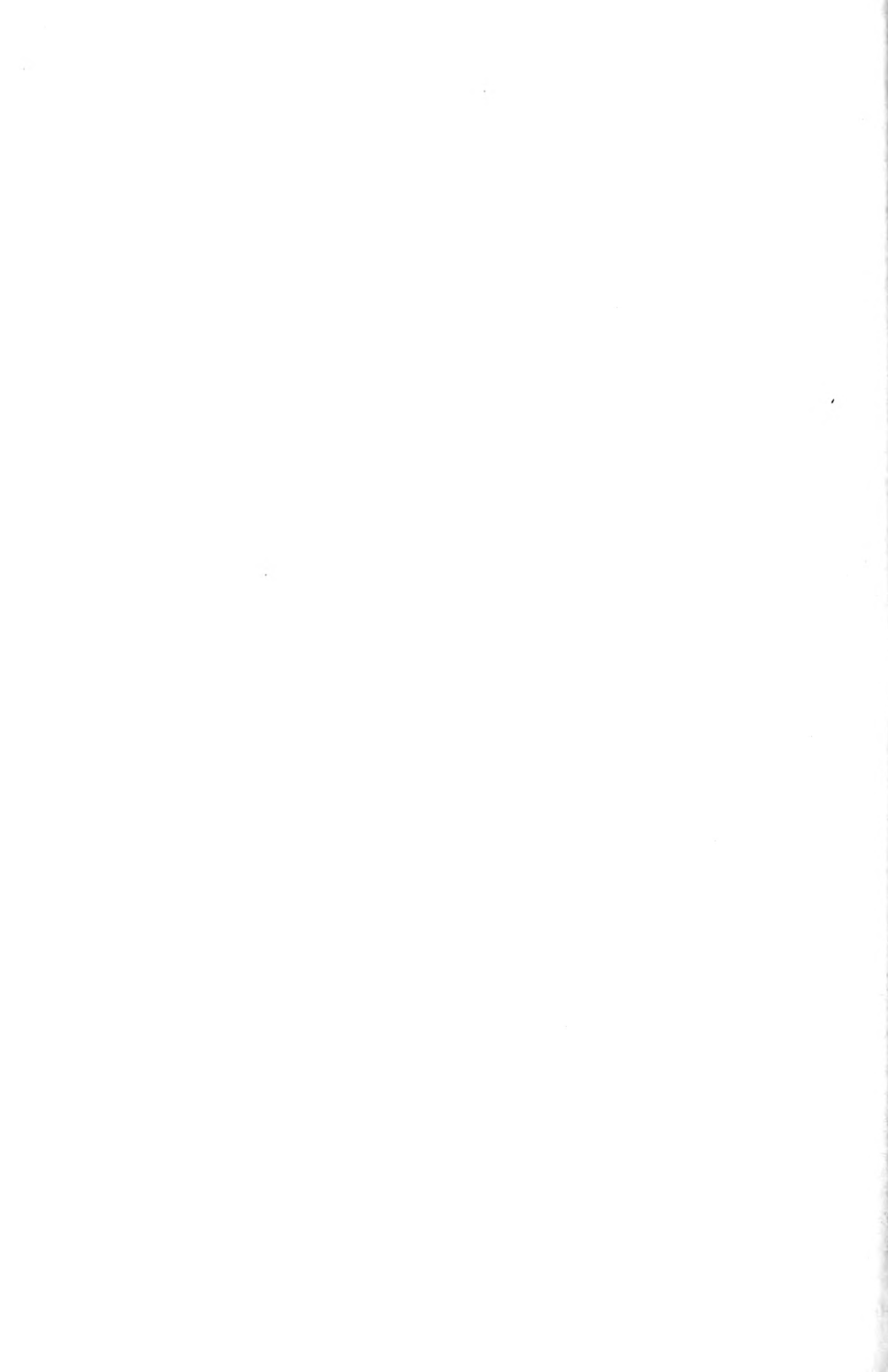
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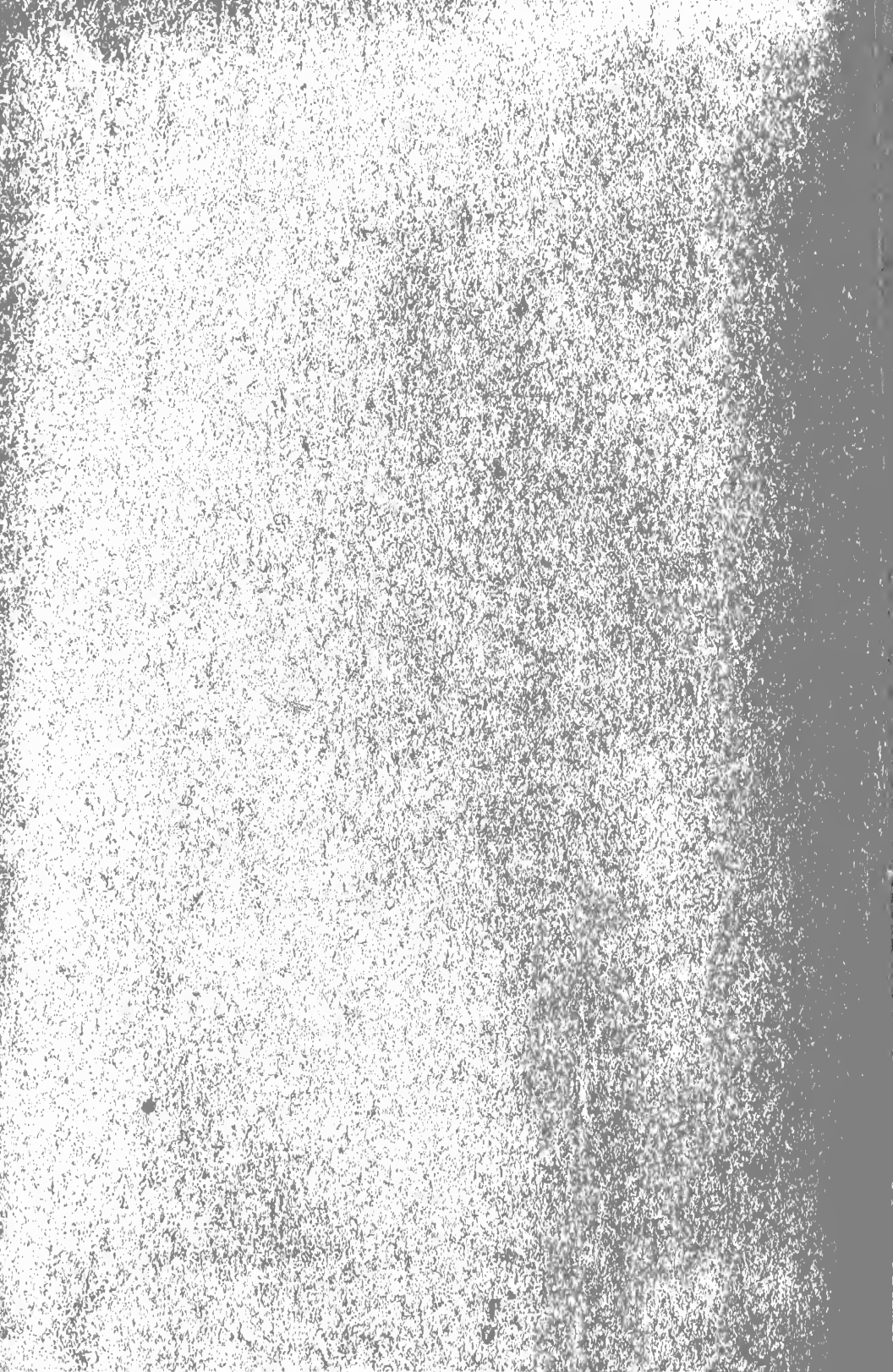


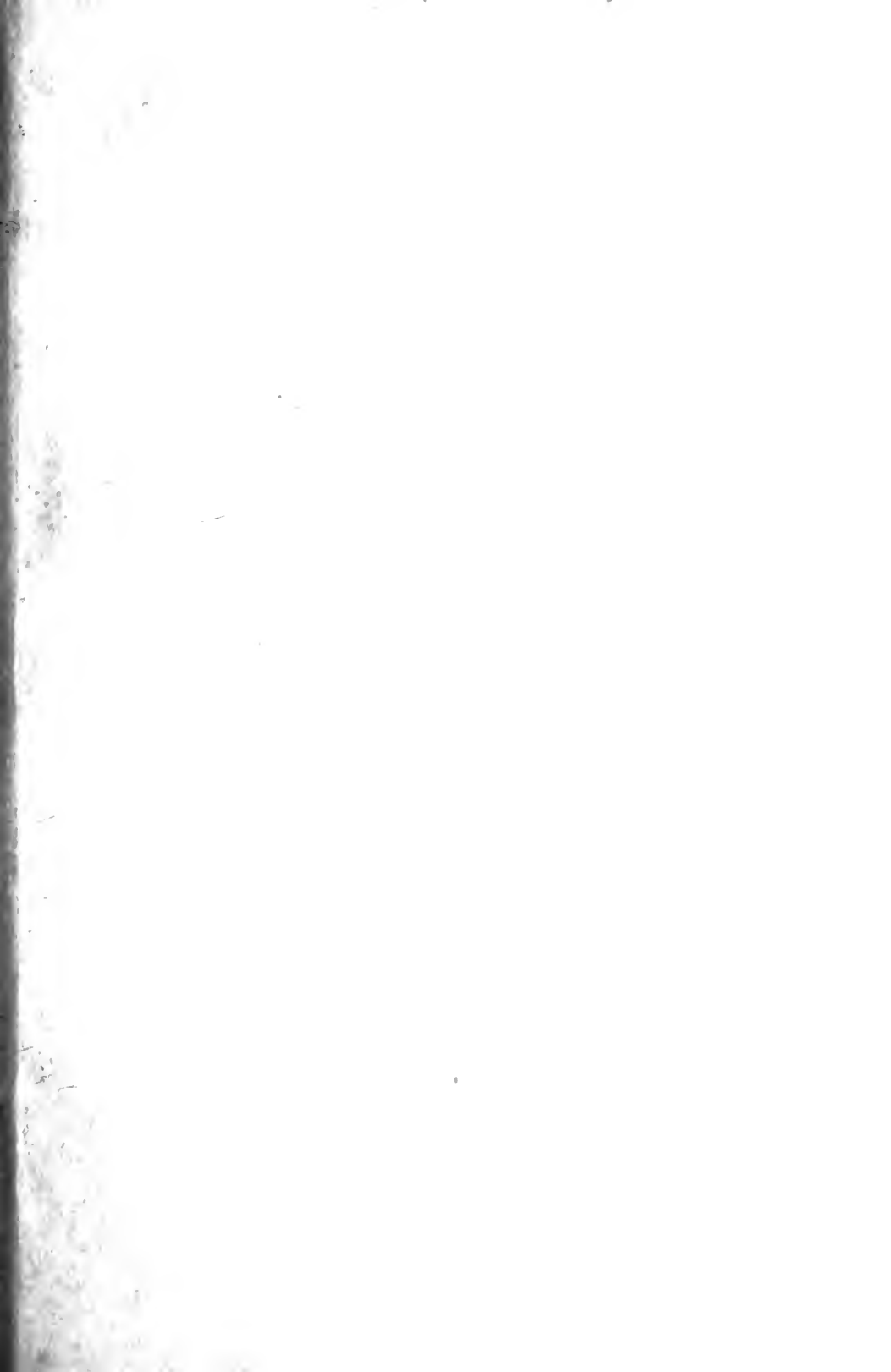














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